

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

4605' ungraded ground

22. APPROX. DATE WORK WILL START\*

First quarter 1985

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17-1/2"	13-3/8"	48#	100'	150 sx (Circ to surface)
12-1/4"	9-5/8"	36#	1600'	600 sx (Circ to surface)
8-1/2"	7"	23# & 26#	5700'	600 sx (T.O.C. Approx 2000')

Approval is requested to drill Ratherford Unit #13-21, a Desert Creek Development oil well, to increase the ultimate recovery from the Ratherford Unit.

BOP equipment will be operated daily and tested weekly.

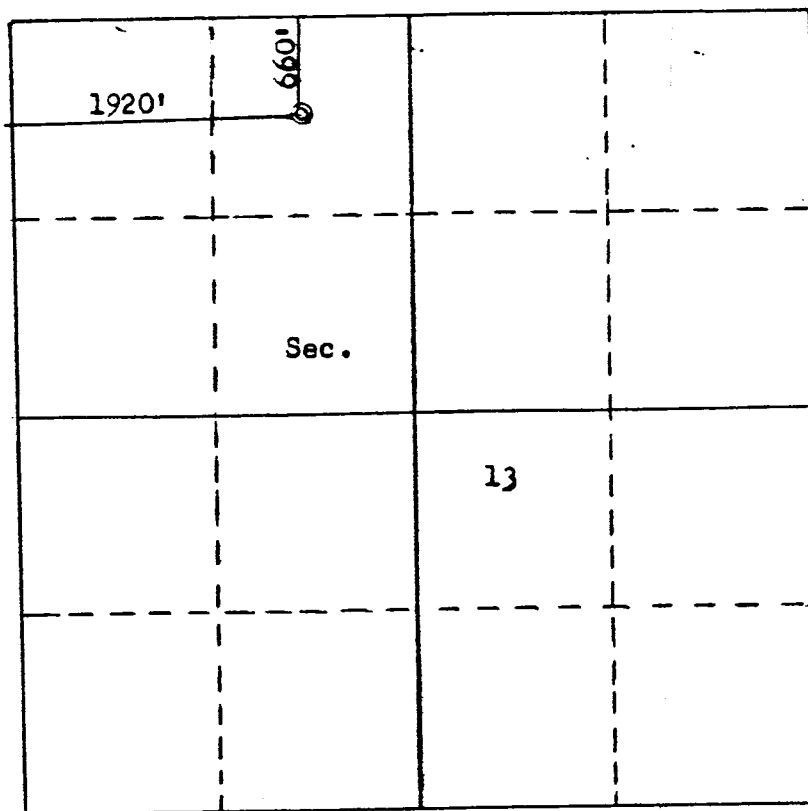
APPROVED BY THE STATE  
OF UTAH DIVISION OF  
OIL, GAS, AND MINING

DATE: 1/17/85



LOCATION 660'FNL 1920'FWL

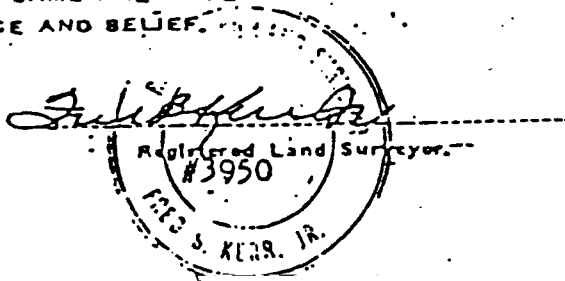
ELEVATION 4605 ungraded ground



SCALE—4 INCHES EQUALS 1 MILE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM  
FIELD NOTE OF ACTUAL SURVEYS MADE BY ME UNDER MY SUPER-  
VISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE  
BEST OF MY KNOWLEDGE AND BELIEF.

SEAL:



T. D. to the surface casing. A FDC/CNL and a Micro-proximity log will be run from T. D. to 4300'. A temperature or cement bond log will be run to determine cement top. It is proposed to core the Desert Creek Zone I.

7. Downhole Conditions:

Drilling in the area indicates no abnormal pressures, temperatures, or hydrogen sulfide gas.

-2-

RATHERFORD UNIT #13-21

Conductor casing will be cemented with 150 sks Class B cement. Cement will be brought to surface.

2. Surface Casing:

Surface casing will be cemented with 300 sks "light" cement followed with 300 sks Class B cement. Cement will be brought to surface.

3. Production casing:

Production casing will be cemented with "light" cement followed with Class B cement. For cement volume, caliper will be used with 15% excess. The top of the cement should be around 2000'. If other zones with hydrocarbon potential are encountered, they will be covered with cement.

c. Auxiliary Equipment:

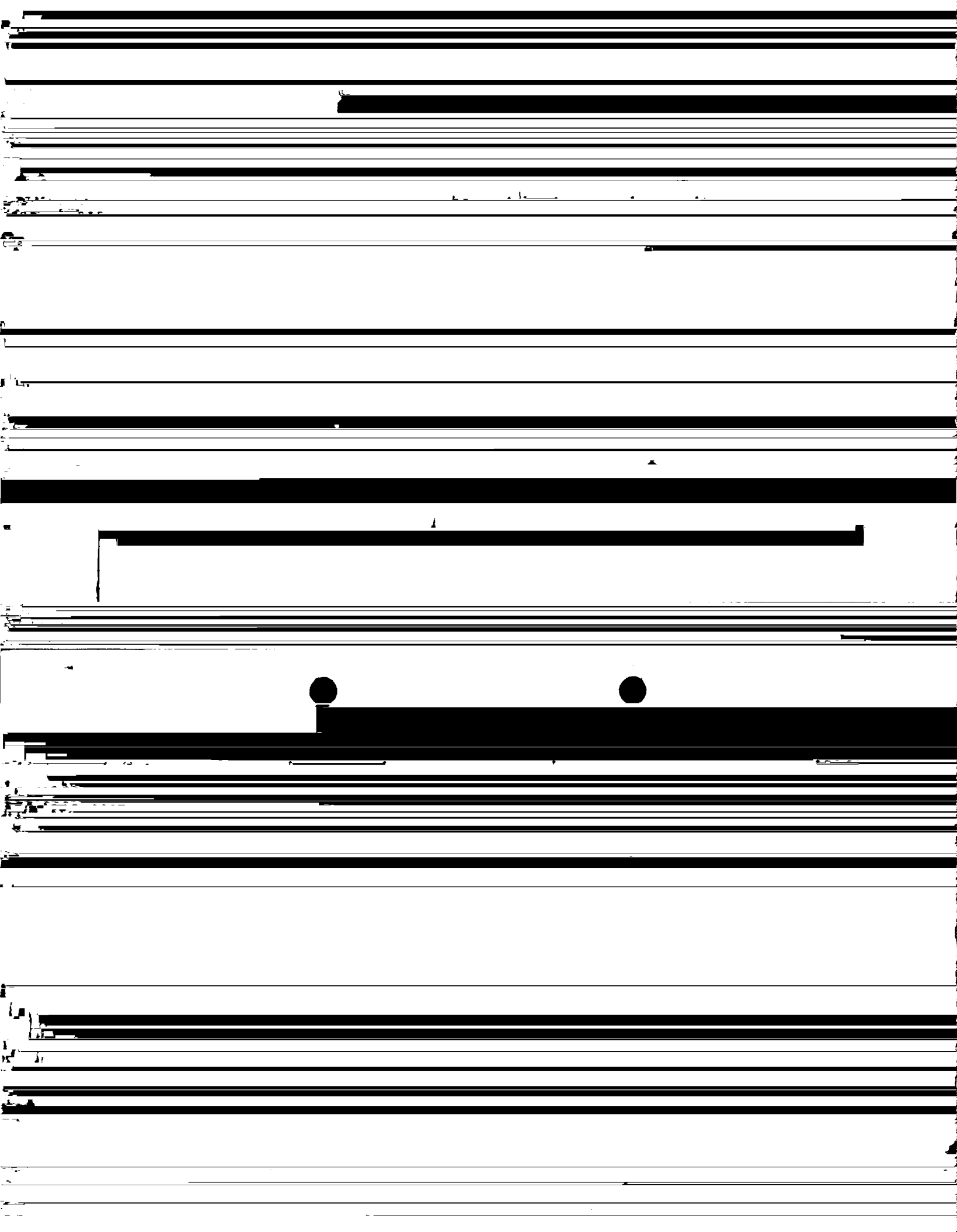
Auxiliary equipment will include upper and lower kelly cocks, a drill string safety valve, and a pit level indicator.

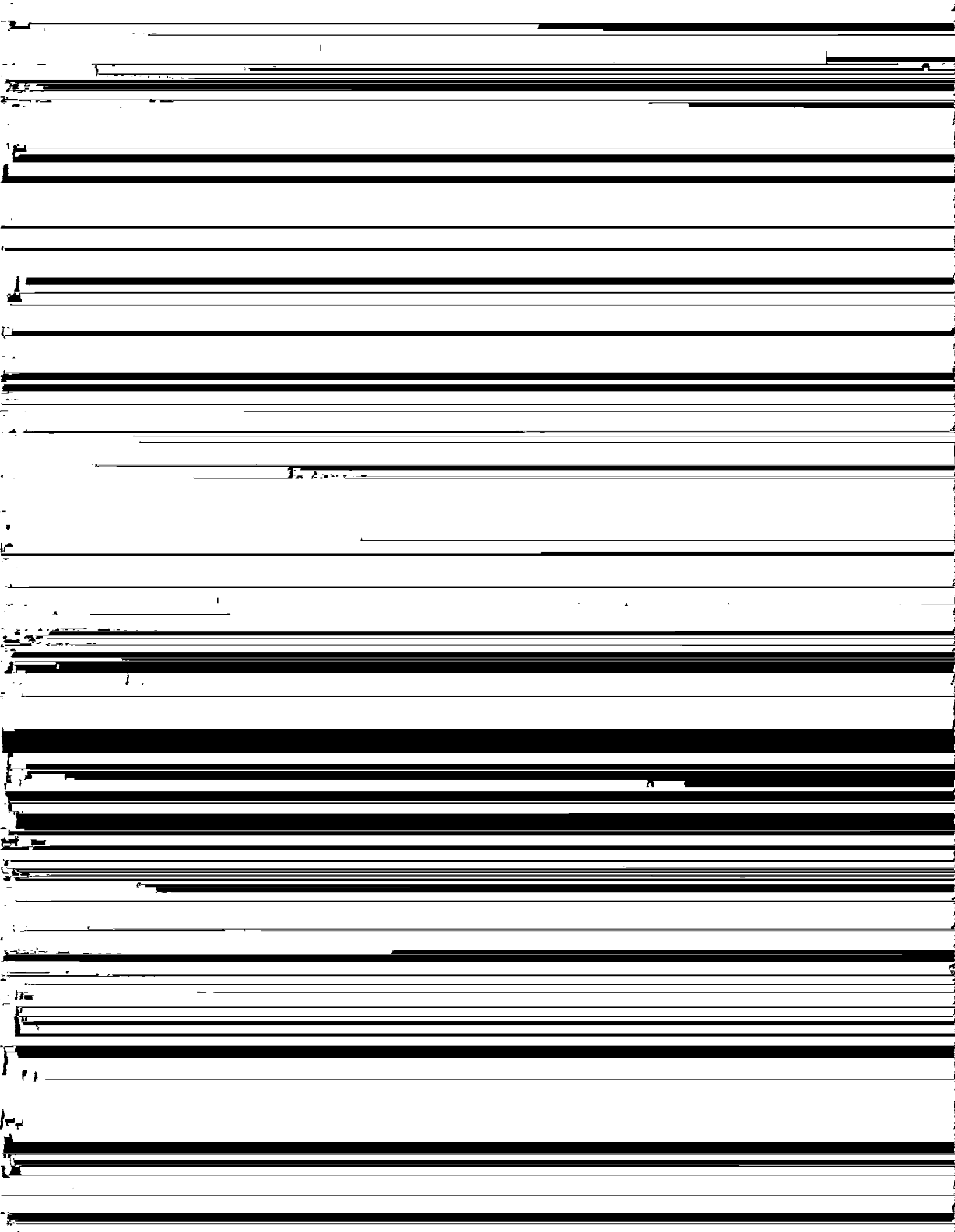
5. Drilling Fluid:

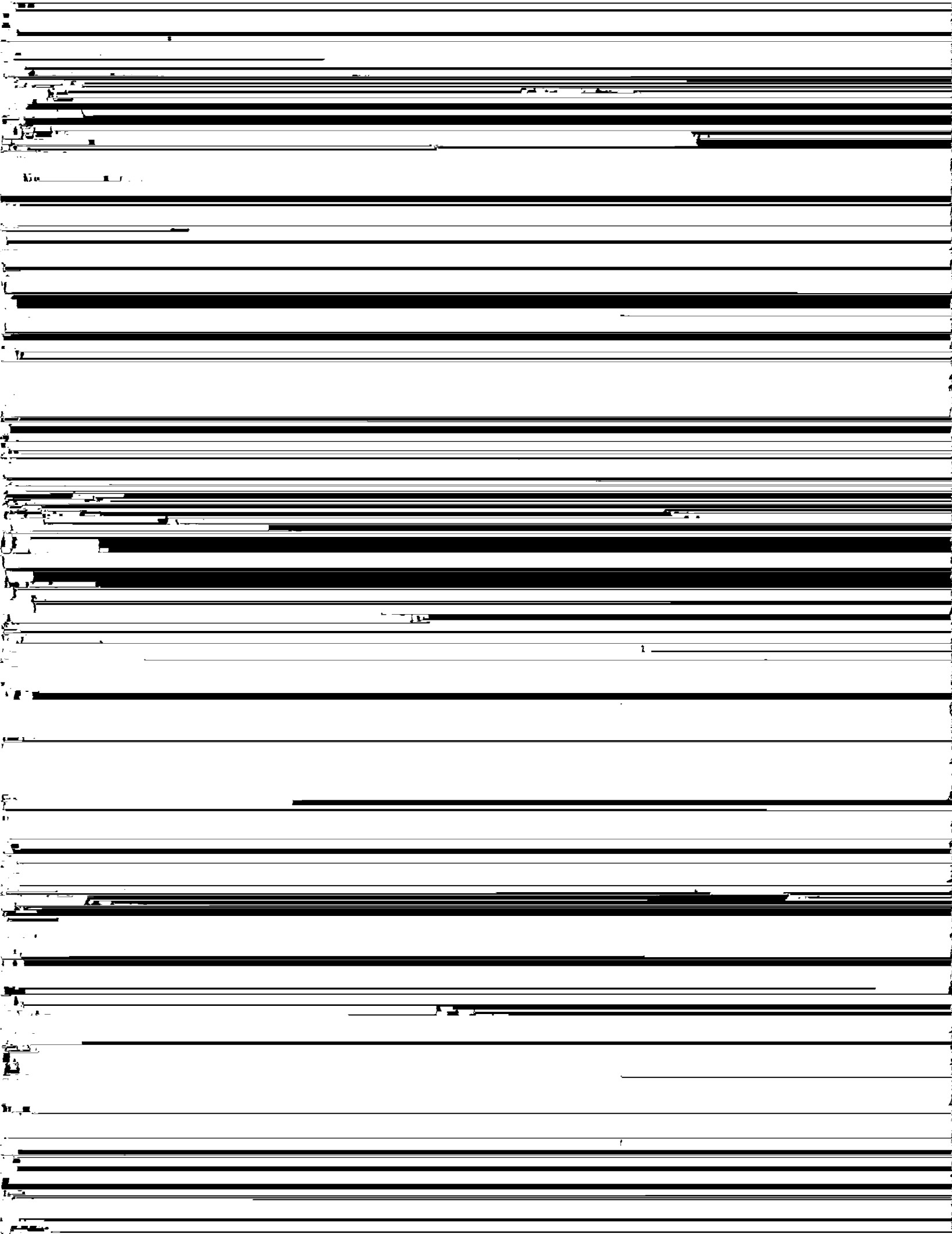
Drilling fluid will be a fresh water based mud system. Spud mud is gel and water with a weight of 8.4-8.8 ppg. From the surface to approximately 1600', gel and water will be used. Mud weight may be up to 9 ppg to control water flow from the Wingate formation. A slurry of 8.6-9.5 ppg, 32-38 viscosity, and less than 15cc/30 min. water loss will be used from 1600'-5200'. Mud weight may be increased to 10.4 ppg if a water flow is encountered. From 5200' to total depth mud properties will be 10.5-12.5 ppg, 40-45 viscosity, and below 10 cc water loss.

Adequate quantities of mud materials will be stored at the location to equal the volume of the rigs complete circulating system. A flow sensor will be used.

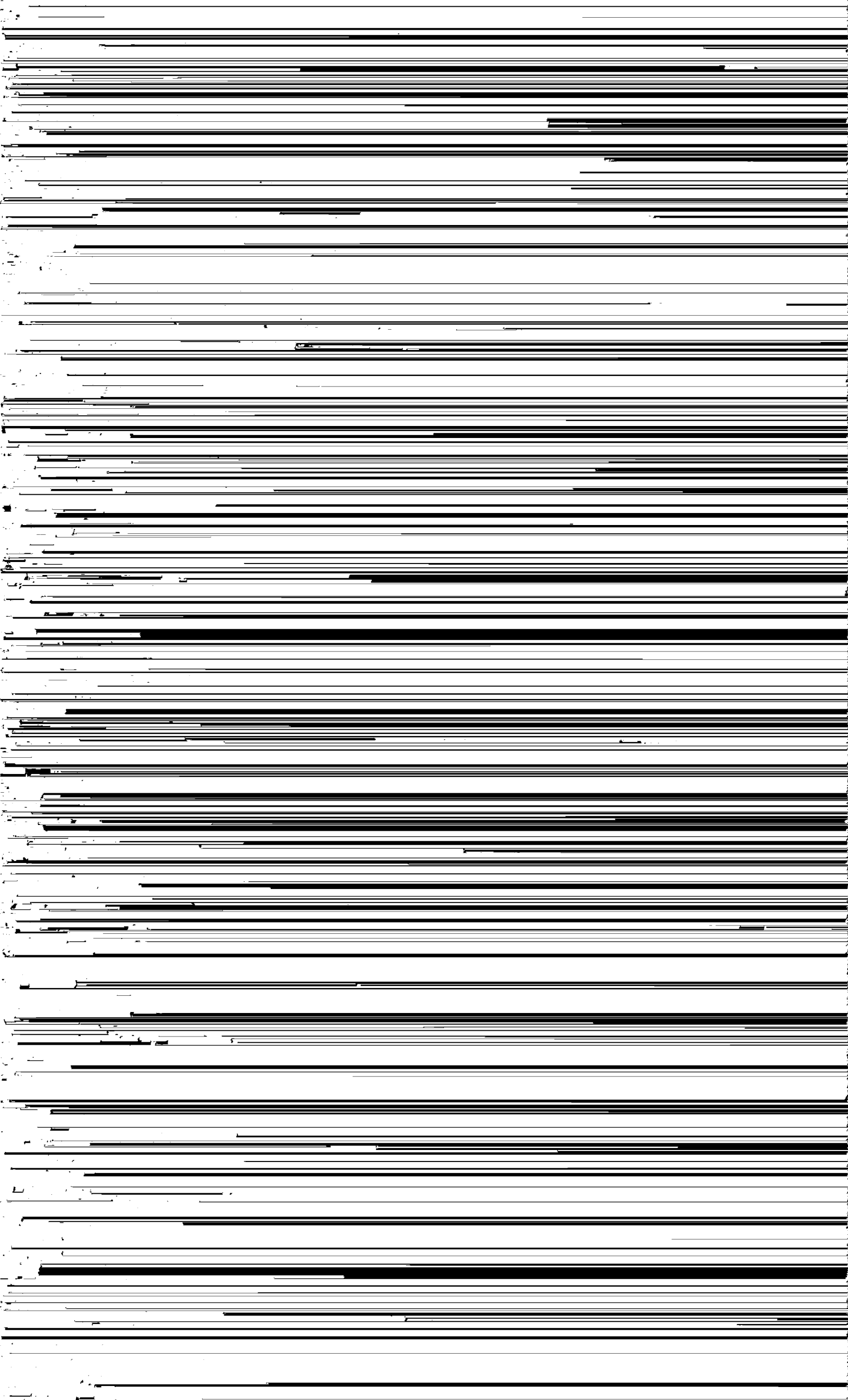
6. Testing, logging, and coring:



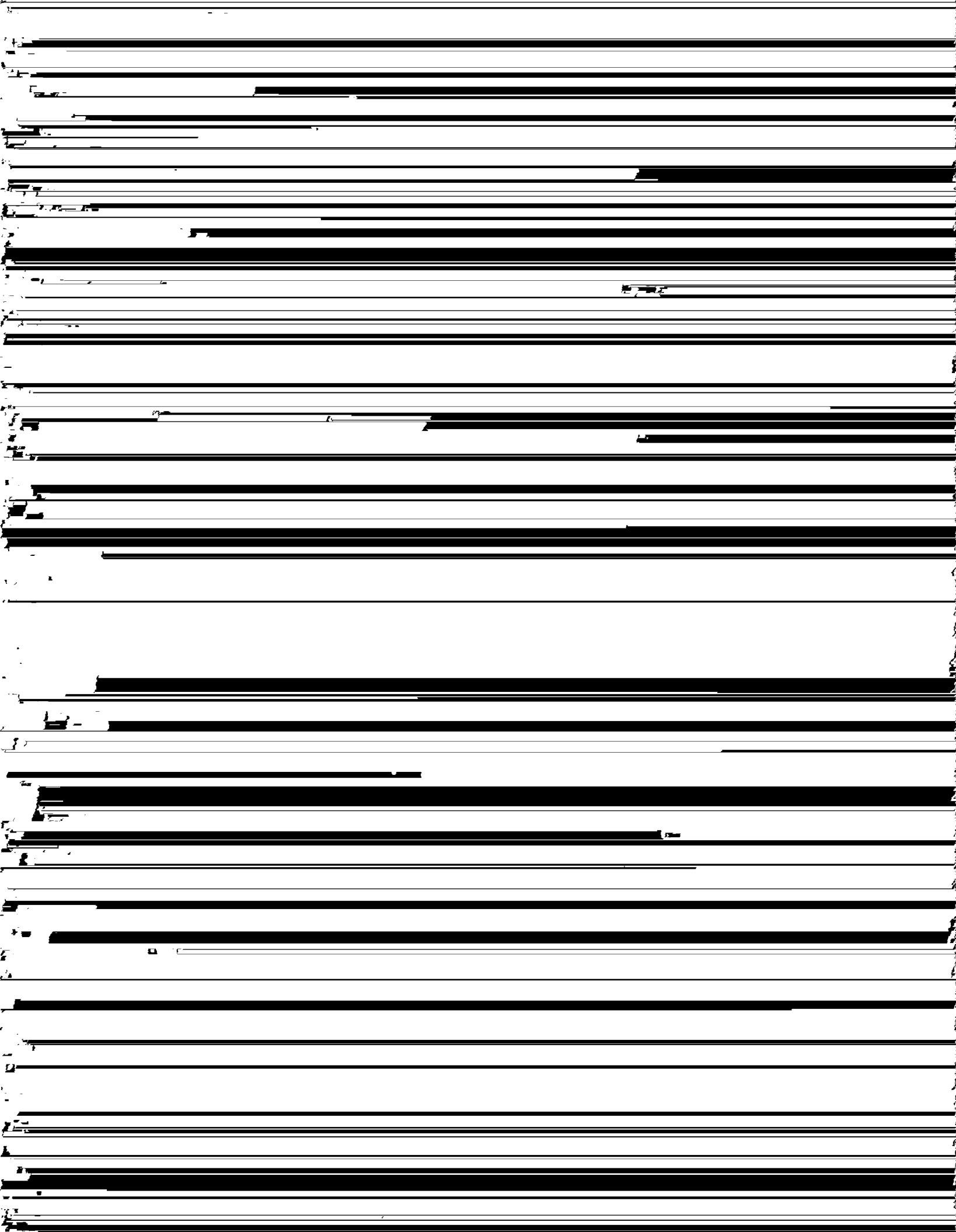


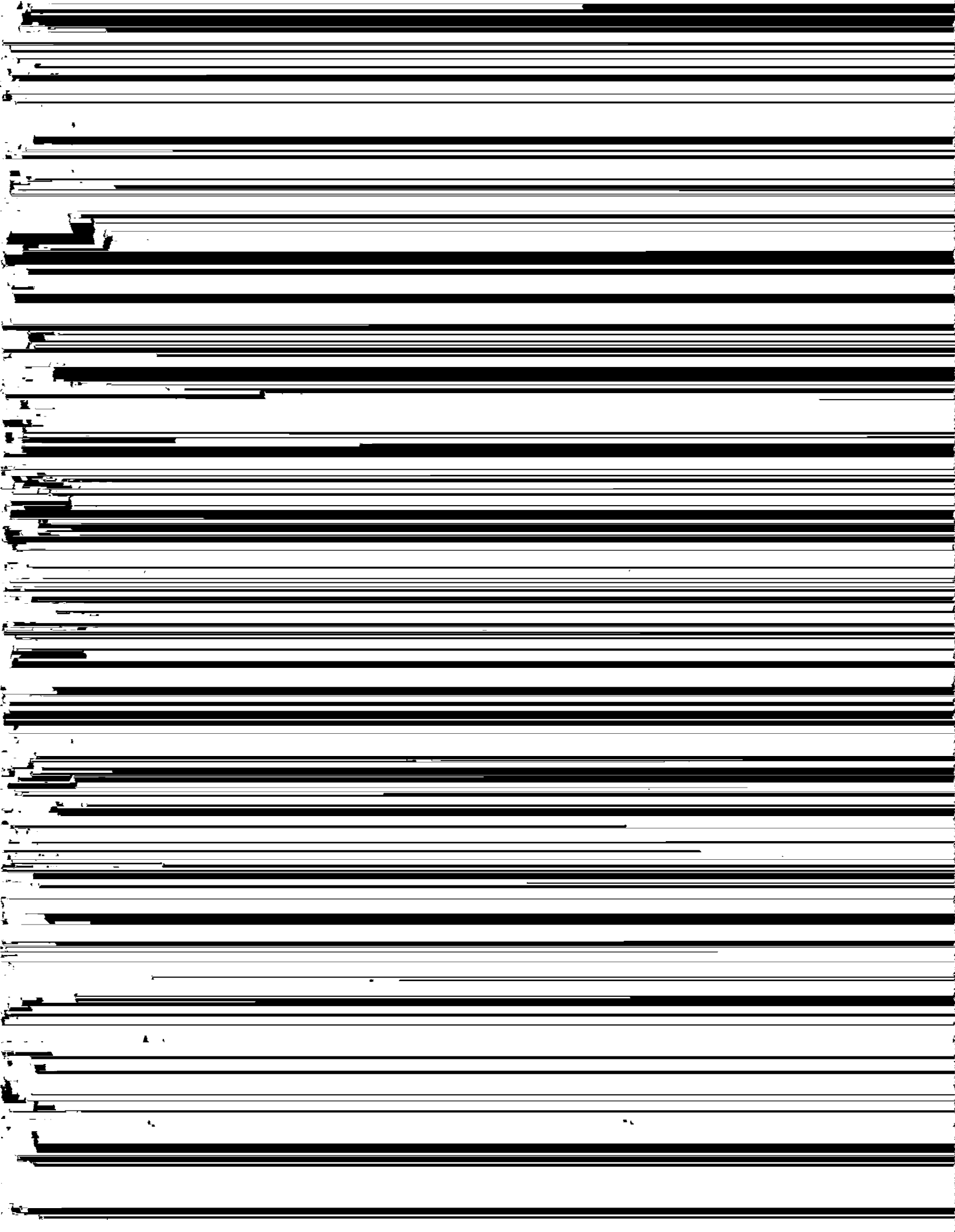




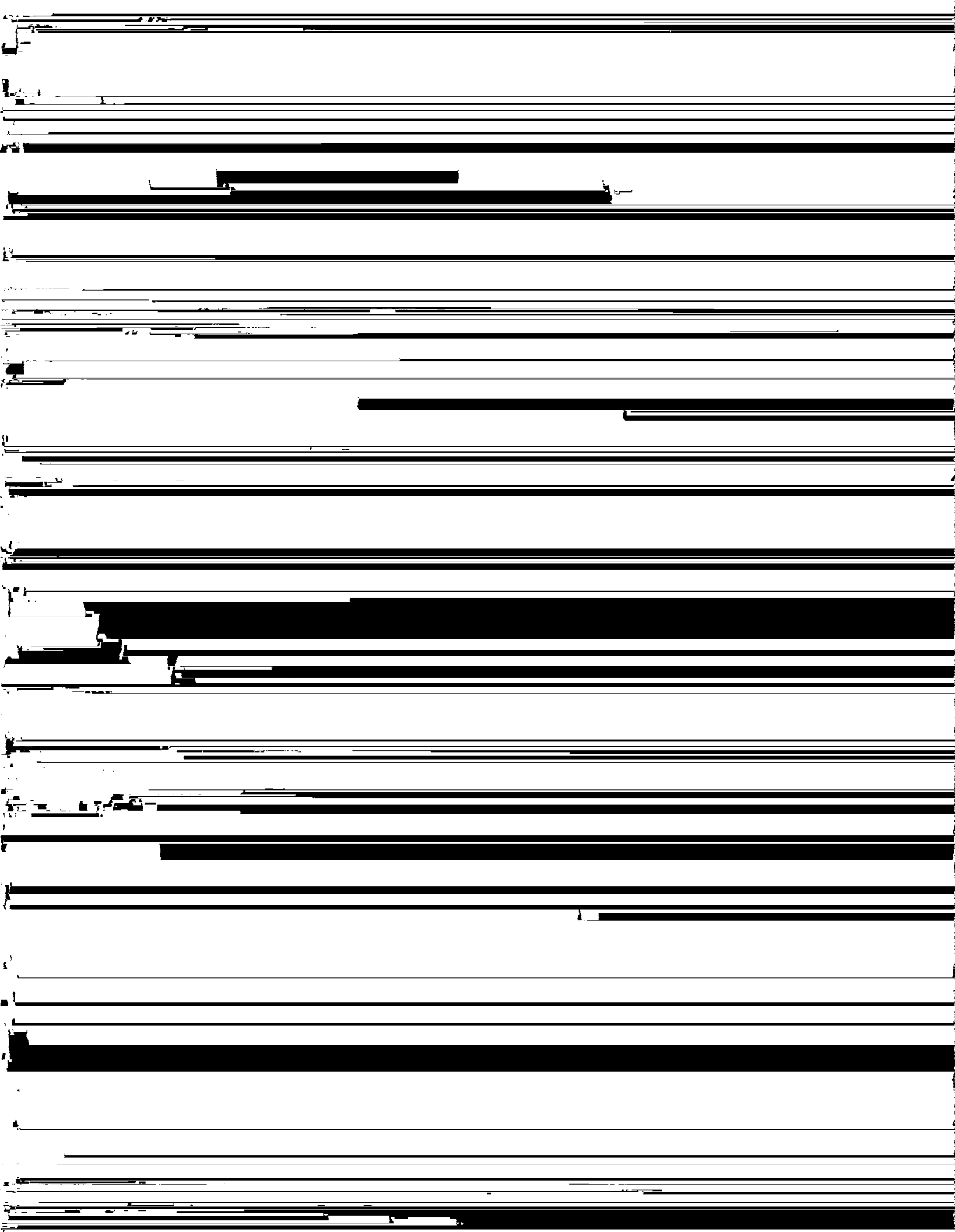


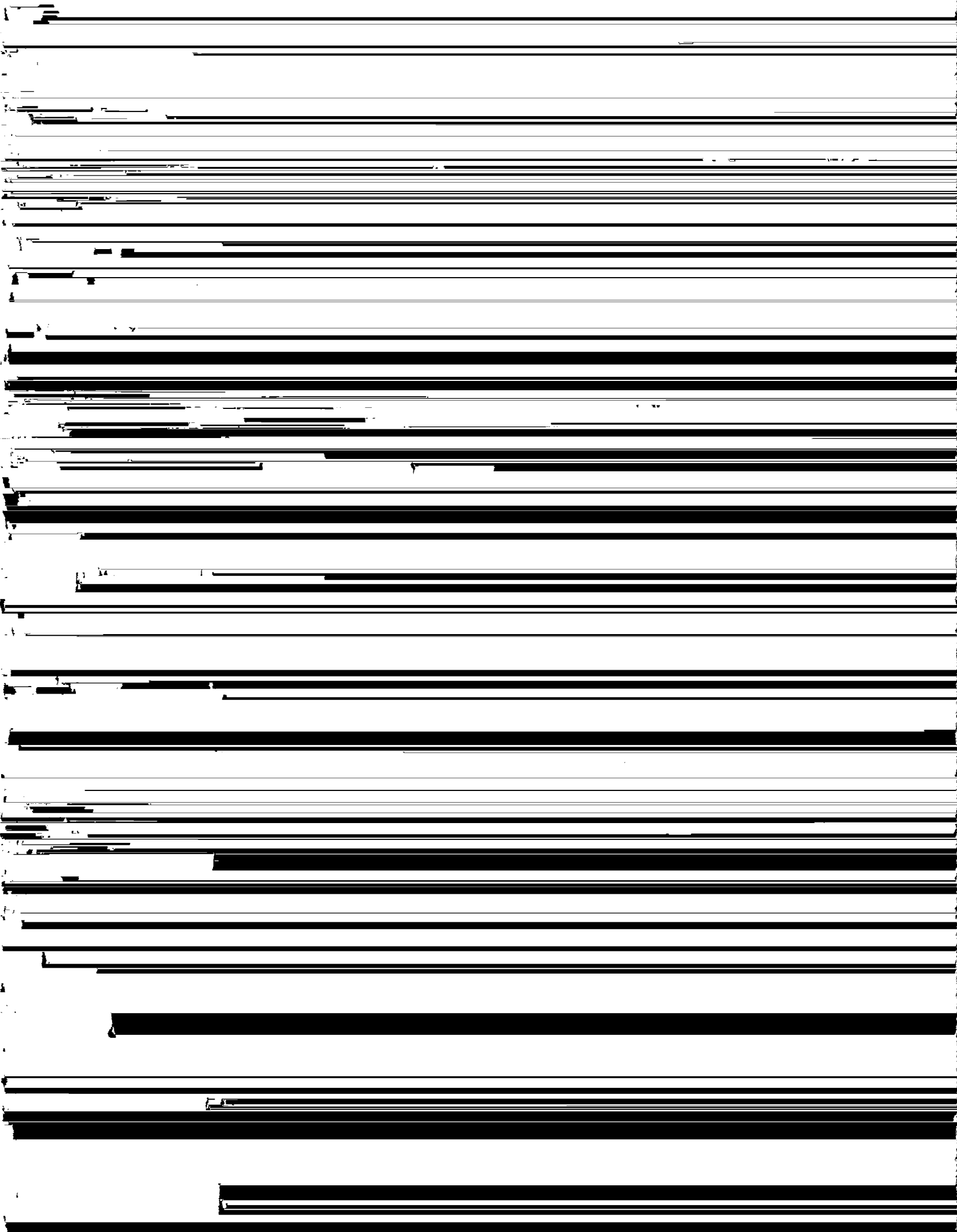


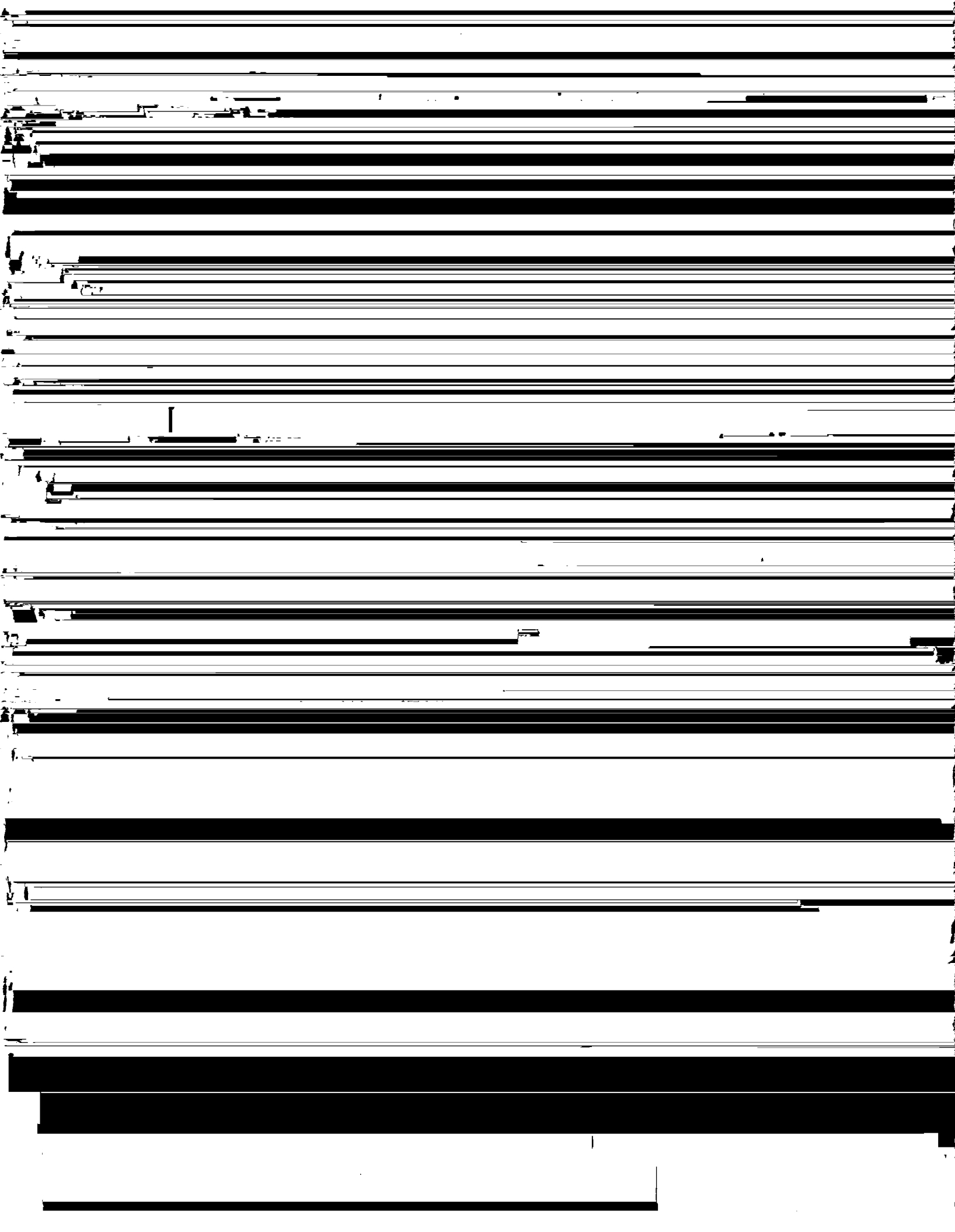




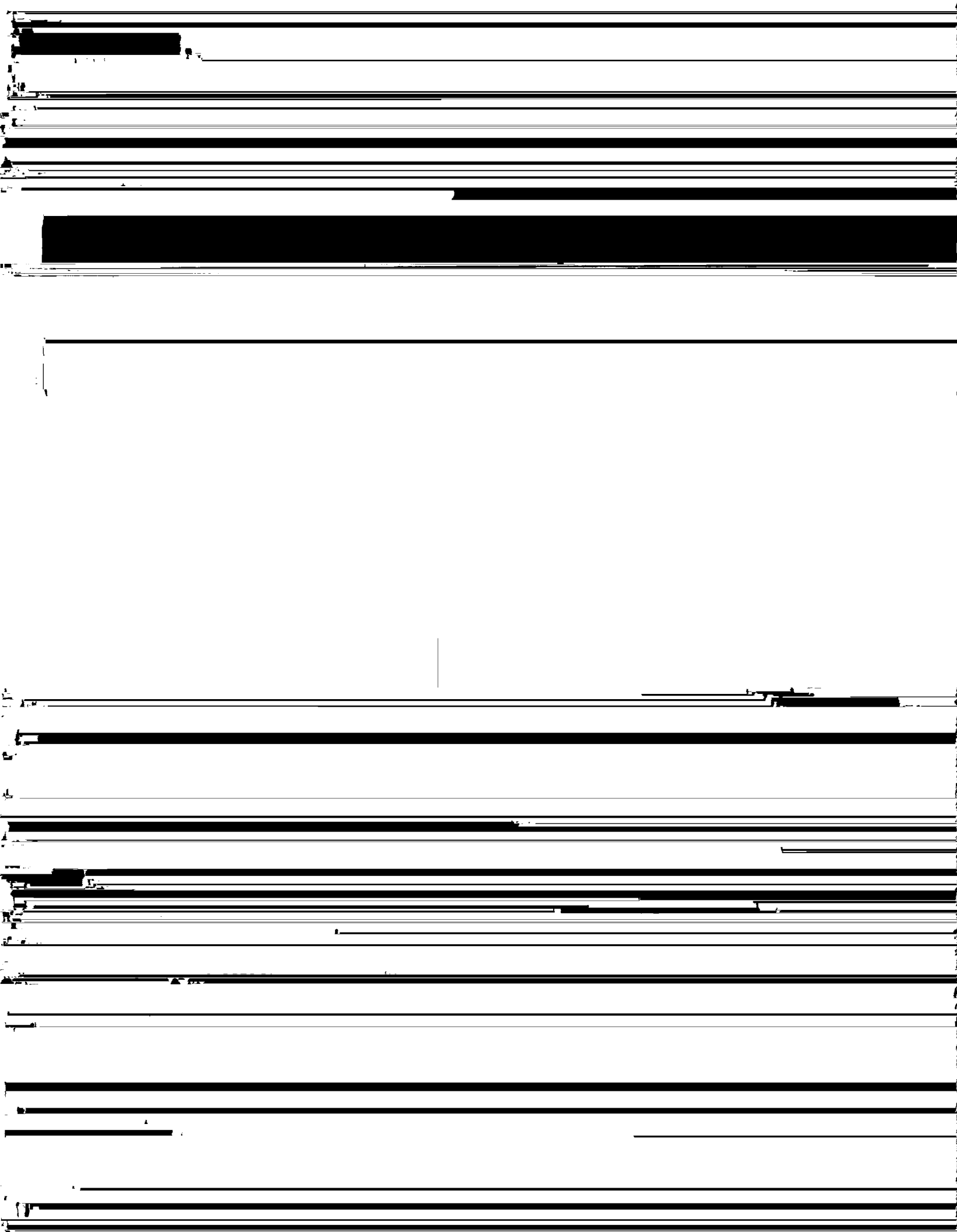












#### 7.6.4 Blowout Preventer Test Practices

- (1) All pressure tests shall be witnessed by Phillips' Representative and the Contractor's Senior Supervisor on Location. All tests shall be recorded on the Phillips' Daily Drilling Report, the IADC Report and the BOP Test Form; see Figure 7-13. A reproducible copy of the BOP Test Form (Figure 7-13) can be found in Section III.

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Section II

PHILLIPS PETROLEUM COMPANY



Well Control 4  
January/83

### FIELD PRACTICES AND STANDARDS

#### 7.6.2 Function Test Frequency

All rams, annulars, valves, and other items specified below, shall be function tested at the following frequencies.

- (1) On initial installation from driller control and remote panel.
- (2) Each trip out of hole alternating between driller's and remote control panel but not more than once every twenty-four (24) hours. Close pipe rams or annular preventer ONLY on drill pipe.

#### 7.6.3 Test Pressures

Use the following table to identify which test is appropriate and at what pressure.

TEST	DESCRIPTION
Low Pressure	Test to 200-300 psi prior to each high pressure test.

### 7.6.5 Testing Wellhead Pack-offs

The wellhead pack-off is to be pressure tested upon installation for five minutes. Test pressure is to be 80% API rated casing collapse or the rated working pressure of the casing head whichever is the lesser. Casing annulus valve(s) must be in open position to prevent casing collapse during pack-off testing.

When testing the wellhead pack-off, use recorded test pressures and volumes to determine if pack-off is leaking. Pressure should be immediately released at the first indication of a leak.

Well Control 4  
January/83

PHILLIPS PETROLEUM COMPANY



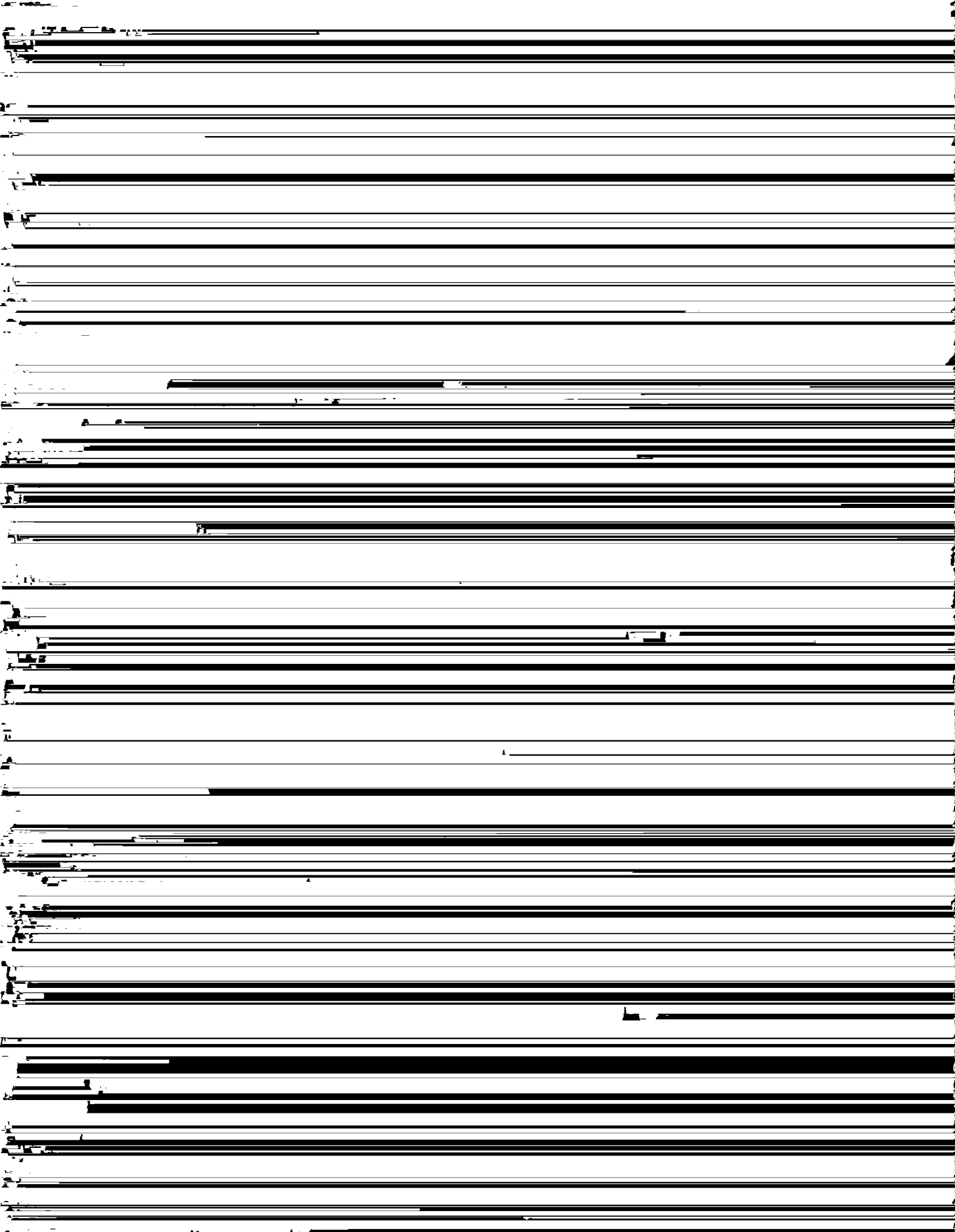
Page 259  
Section II

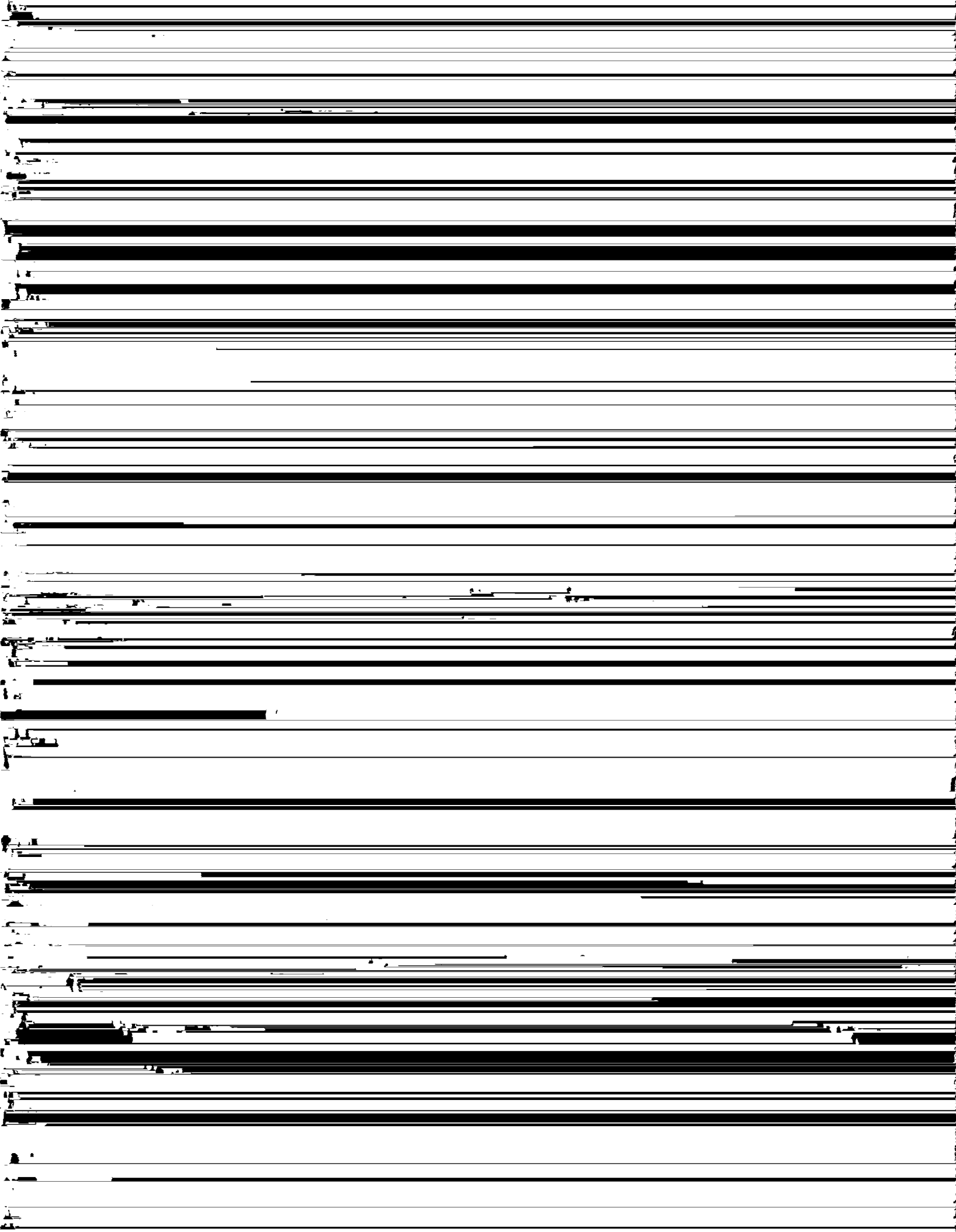
## FIELD PRACTICES AND STANDARDS

### 7.6.3, cont'd

TEST	DESCRIPTION
Weekly and After Setting Casing	<p>Test all rams, annulars, valves, choke and kill lines, choke manifold, kelly cocks, and safety valves, to the lesser of the following pressures.</p> <ul style="list-style-type: none"><li>. 50% of the rated working pressure of the component to be tested.</li><li>. 80% of the API rating of the casing burst pressure then in the well.</li><li>. Test blind rams during internal casing pressure test. (Refer to drilling program for test</li></ul>







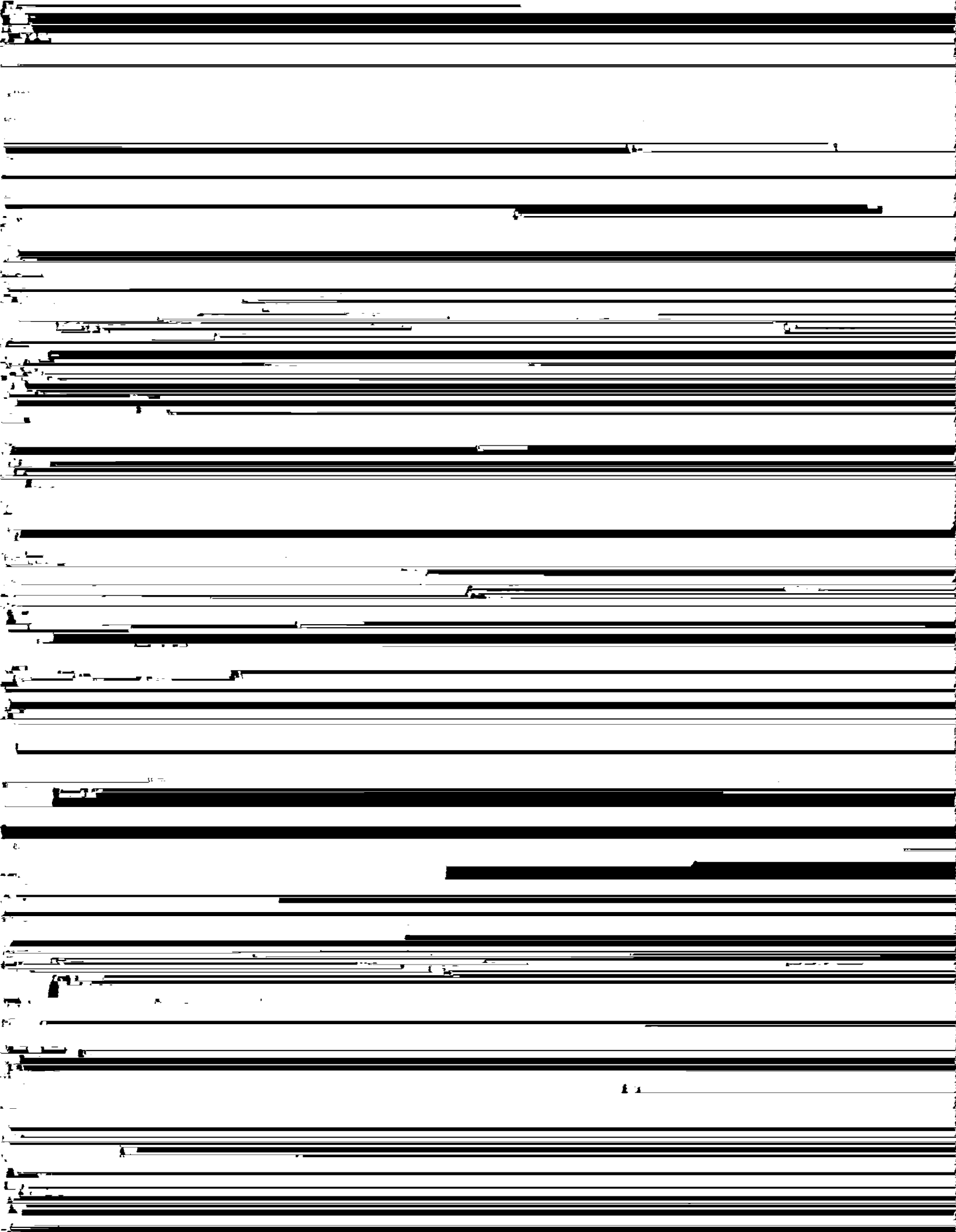
Abajo Archaeology  
Bluff, Utah

August 1984

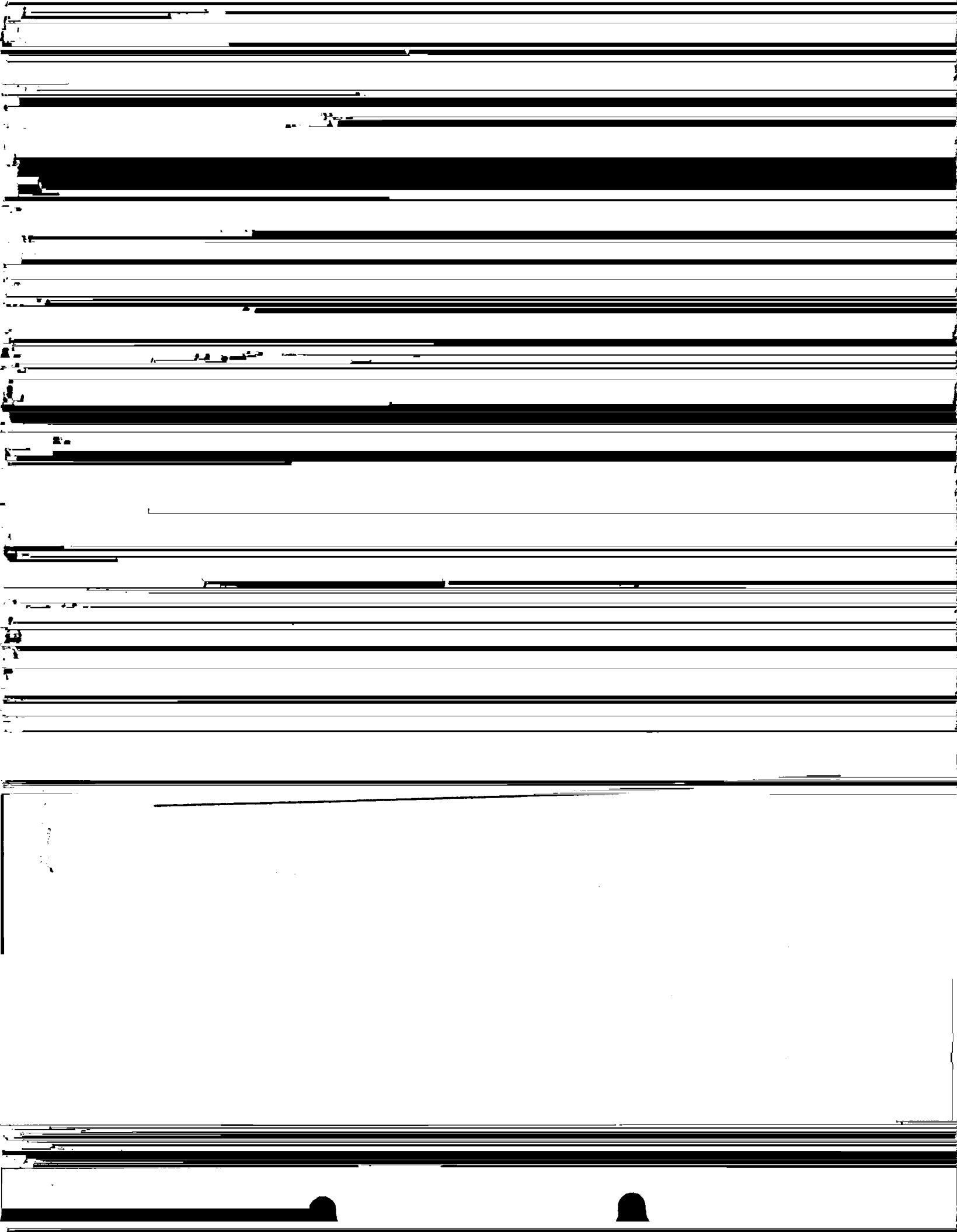
LIST OF TABLES

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TABLE 2.....	4
TABLE 3.....	11,12
TABLE 4.....	13



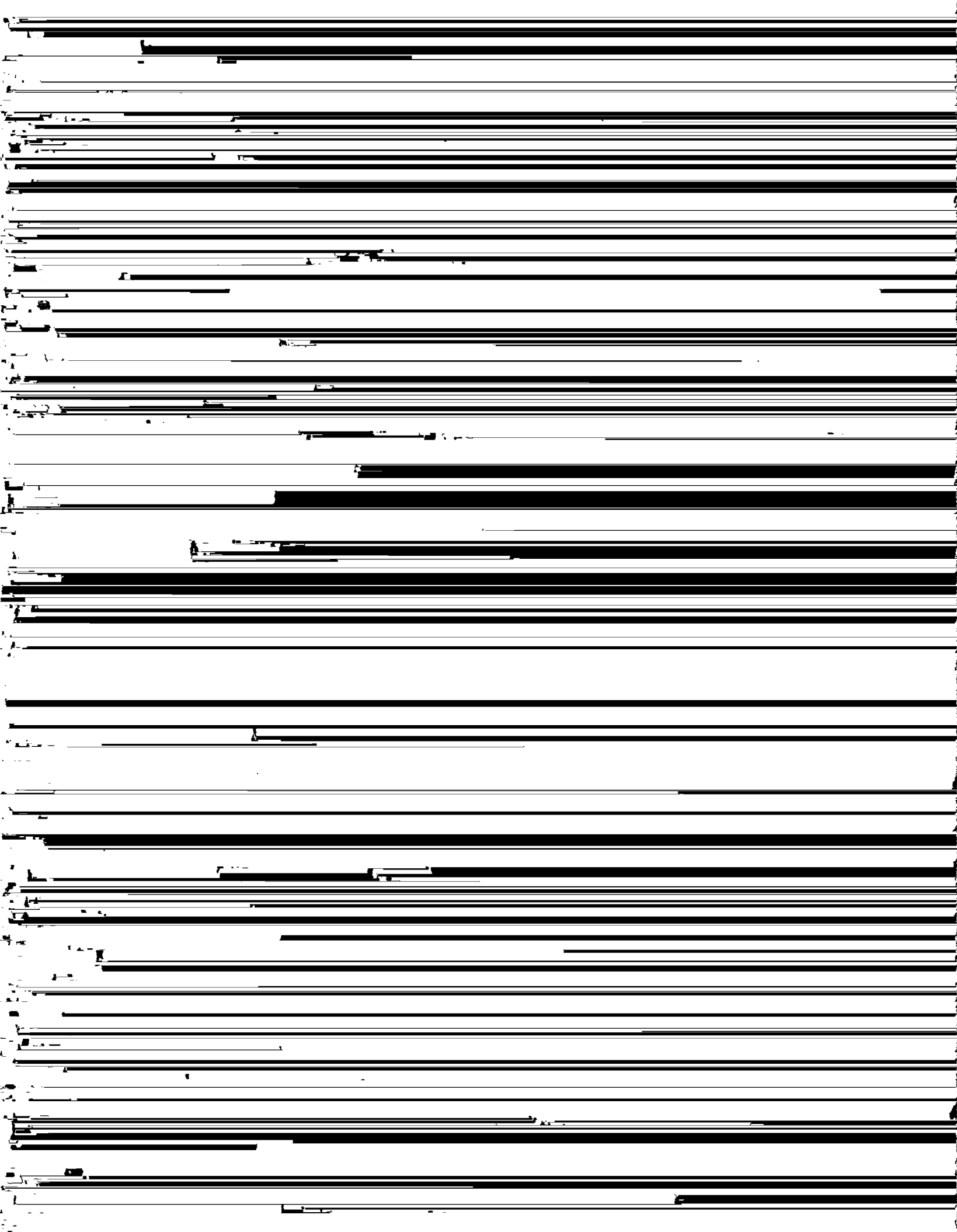


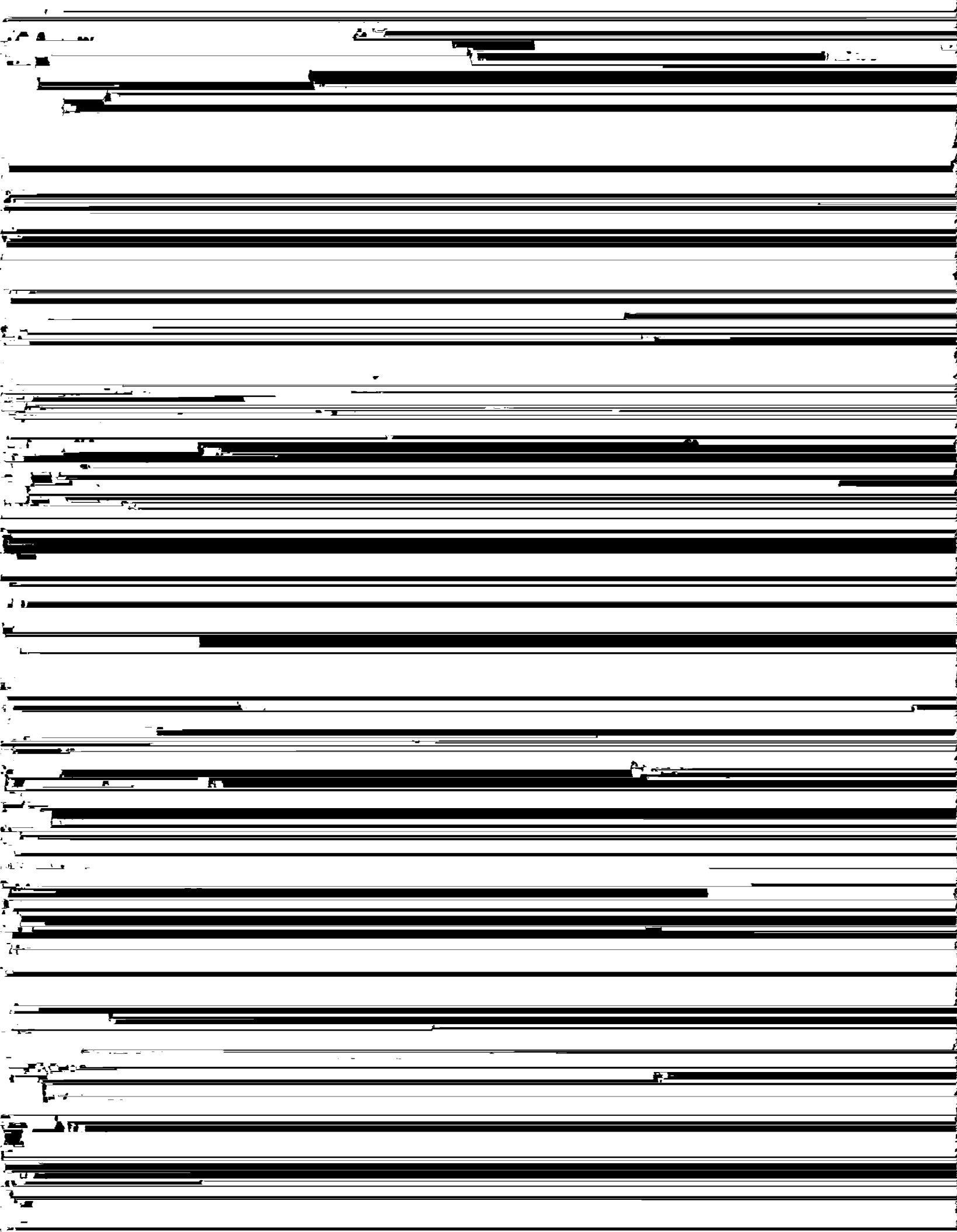




13-11	CTNWNW, Sec.13 T 41 S, R 23 E	646,600 m E 4,121,950 m N	800 feet (runs north from location)-flow line follows access
13-12	NWSWNW, Sec.13 T 41 S, R 23 E	646,600 m E 4,121,075 m N	1300 feet (runs west from location)-flow line follows access
13-14	CTSWSW, Sec.13 T 41 S, R 23 E	646,600 m E 4,120,175 m N	800 feet (runs WSW from location)
13-21	CTNENW, Sec.13 T 41 S, R 23 E	647,000 m E 4,121,400 m N	No access surveyed No flow line surveyed
13-23	CTNWSW, Sec.13 T 41 S, R 23 E	647,000 m E 4,120,600 m N	No access surveyed No flow line surveyed
13-34	CTSWSE, Sec.13 T 41 S, R 23 E	647,700 m E 4,120,200 m N	600 feet (runs south from location)-flow line follows access
13-43	SWNESE, Sec.13 T 41 S, R 23 E	647,750 m E 4,120,500 m N	600 feet (runs NNE from location)-flow line follows access
18-W12	CTSWNW, Sec.18	648,225 m E 4,120,200 m N	500 feet (runs ENE from location)-flow

12-W24	CTSESW, Sec.12	647,000 m E	300 feet (runs west
	T 41 S, R 23 E	4,121,825 m N	from location)
12-34	SESWSE, Sec.12	647,700 m E	600 feet (runs SSW
		4,121,825 m N	from location)

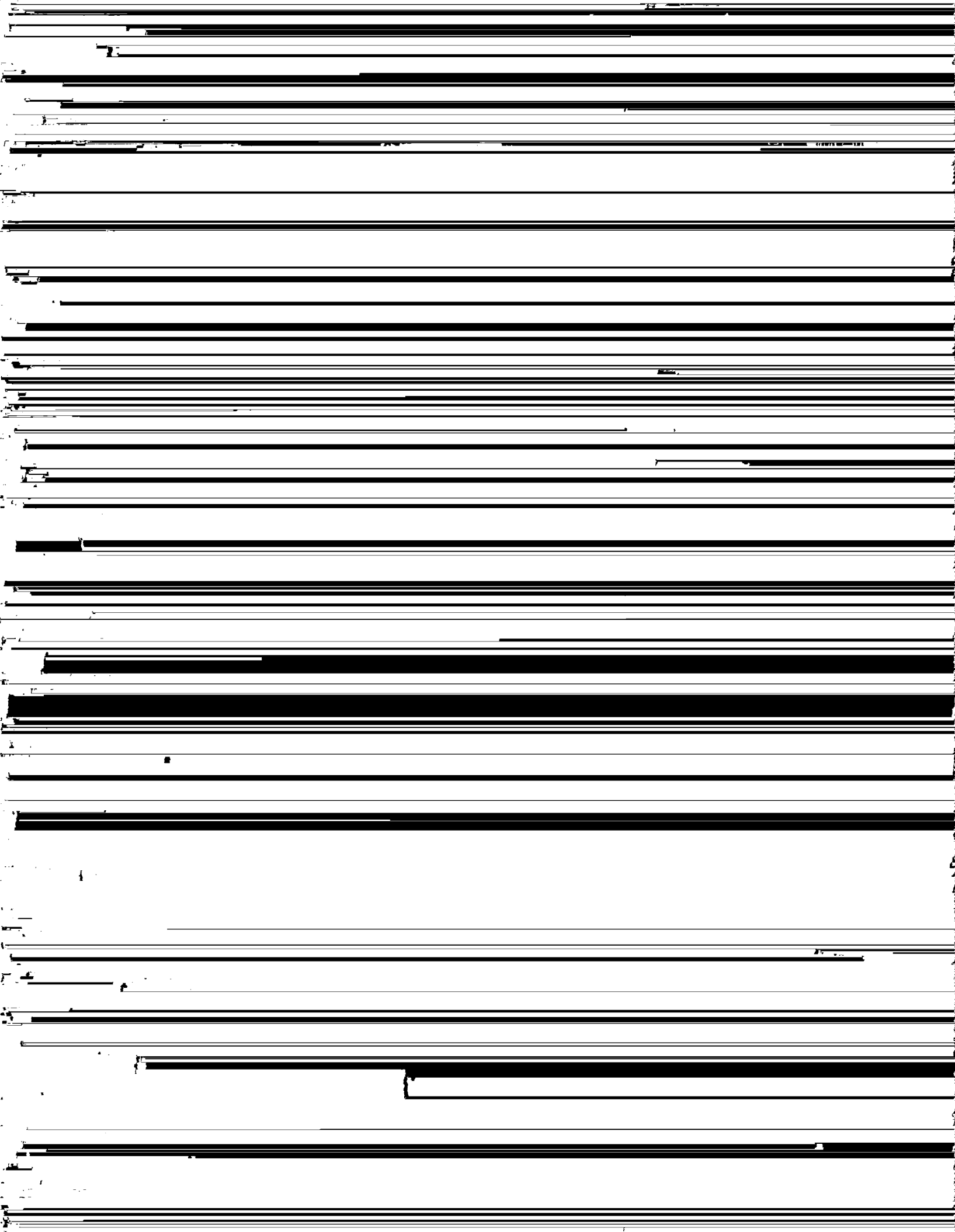












[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

300 ft X 350 ft = 105,000  
(2.41 acres)  
Access & flow line = 800 ft

400 ft X 450 ft = 180,000  
(4.13 acres)  
800 ft X 125 ft = 100,000  
(2.30 acres)

300 ft X 350 ft = 105,000  
(2.41 acres)  
Access & flow line = 1,300 ft

400 ft X 450 ft = 180,000  
(4.13 acres)  
1,300 ft X 125 ft = 162,500  
(3.73 acres)

300 ft X 350 ft = 105,000  
(2.41 acres)  
Access route = 800 ft  
Flow line = 700 ft

400 ft X 450 ft = 180,000  
(4.13 acres)  
800 ft X 125 ft = 100,000  
(2.30 acres)  
700 ft X 100 ft = 70,000  
(1.61 acres)

300 ft X 350 ft = 105,000  
(2.41 acres)  
No access or flow line surveyed

$$400 \text{ ft} \times 450 \text{ ft} = 180,000$$

$$(4.13 \text{ acres})$$

300 ft X 350 ft = 105,000  
(2.41 acres)  
No access or flow line surveyed

400 ft X 450 = 180,000  
(4.13 acres)

300 ft X 350 ft = 105,000  
(2.41 acres)  
Access and flow line = 600 ft

400 ft X 450 ft = 180,000  
(4.13 acres)  
600 ft X 125 ft = 75,000  
(1.72 acres)

No access or flow line surveyed

29-22	300 ft X 350 ft = 105,000 (2.41 acres)	400 ft X 450 ft = 180,000 (4.13 acres)
	Access & flow line = 900 ft	900 ft X 125 ft = 112,500 (2.58 acres)

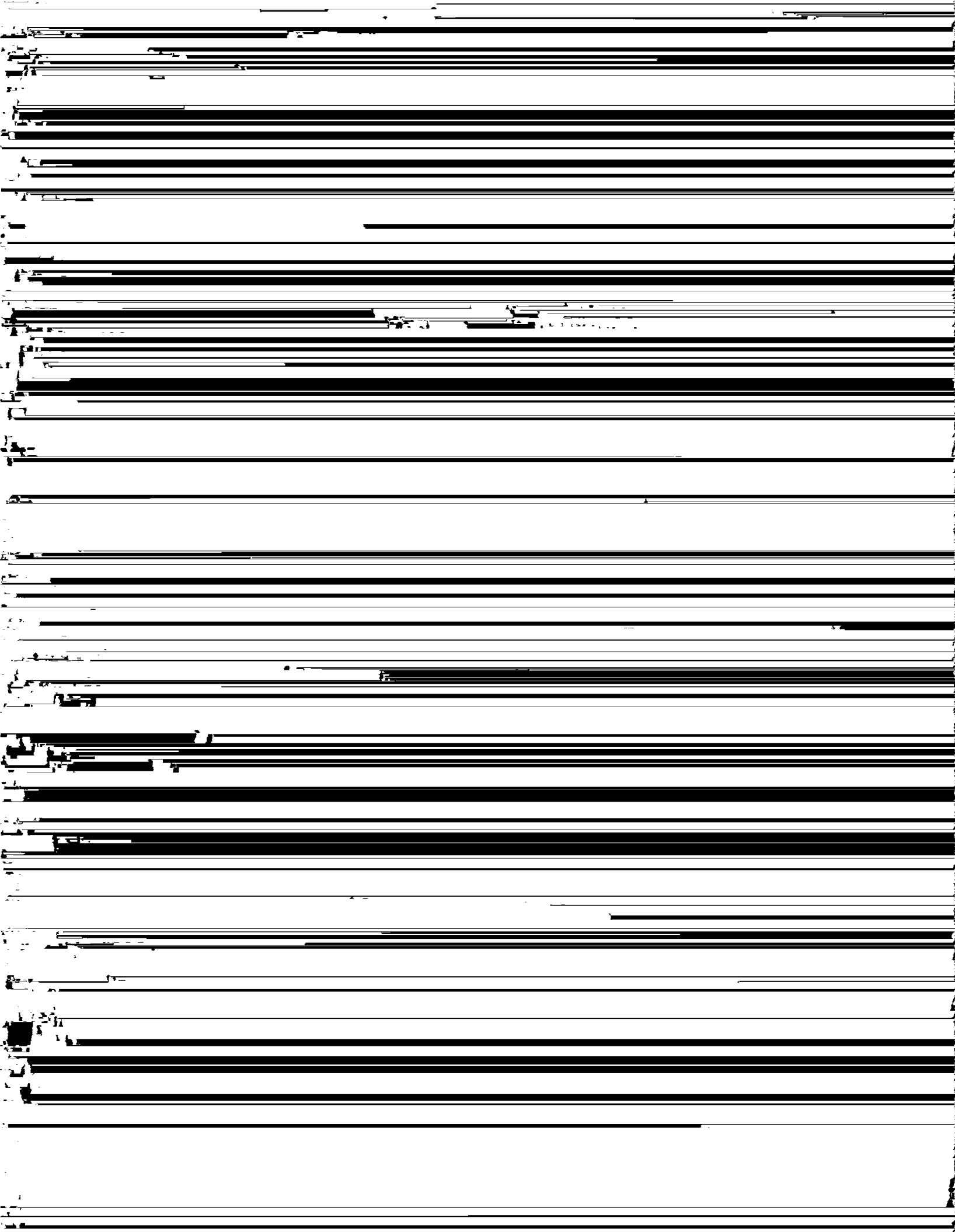
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Note: The figures for access route and flow line lengths are only for the portions that cross undisturbed areas. Portions that follow maintained roads or existing flow line routes were not surveyed and those figures are not provided here.

TABLE 3

Description of Well Pad Project Area and Area Surveyed

Well Pad	Project Area (square feet)	Area Surveyed (square feet)
----------	----------------------------	-----------------------------



4 ~~the~~ ~~indication~~ ~~line~~ ~~passes~~ ~~through~~ ~~the~~ ~~extreme~~

4,121,325 m N



Number	Legal Location	Description
RU # A	CTSESW Sec.12 T41S R23E UTM: 647,000 m E 4,121,825 m N	On location 12-W24. Isolated features: semi-circular, slab feature and two slab piles; a broken cup saucer found inside--white ovenware, modern; unidentified pipe fragments, wire and sole of shoe.
RU # B	CTNENW Sec.13 T41S R23E UTM: 647,000 m E 4,121,400 m N	13-21. 3 gray-green chert, interior core reduction flakes.
RU # C	CTNWNW Sec.13 T41S R23E UTM: 646,600 m E 4,121,950 m N	13-11. Gray and red quartzite cobble tool; 3 flakes removed.
RU # D	CTNWSW Sec.13 T41S R23E UTM: 647,000 m E 4,120,600 m N	*13-23. Biface with crude, heavily weathered flake scars, material type is light and dark gray mottled chert with tan cortex.
RU # E	NWSWSE Sec.13 T41S R23E UTM: 647,690 m E 4,120,400 m N	Access road to 13-34. 4 unidentified corrugated sherds; 4 recent Pepsi bottles.
RU # F	CTSWSE Sec.13 T41S R23E UTM: 647,700 m E 4,120,200 m N	*13-43. 1 crude olive-green oolitic chert biface.
RU # G	NENENE Sec.14 T41S R23E UTM: 646,250 m E 4,121,950 m N	1 Mesa Verde white ware sherd.
RU # H	NENWNW Sec.13 T41S R23E UTM: 646,775 m E 4,121,550 m N	*Injection line 12-24 to 13-11. 1 grainy, tan to yellow chert uniface with heavily weathered, yellowish patina; flake scars are smooth.

4,120,100 m N

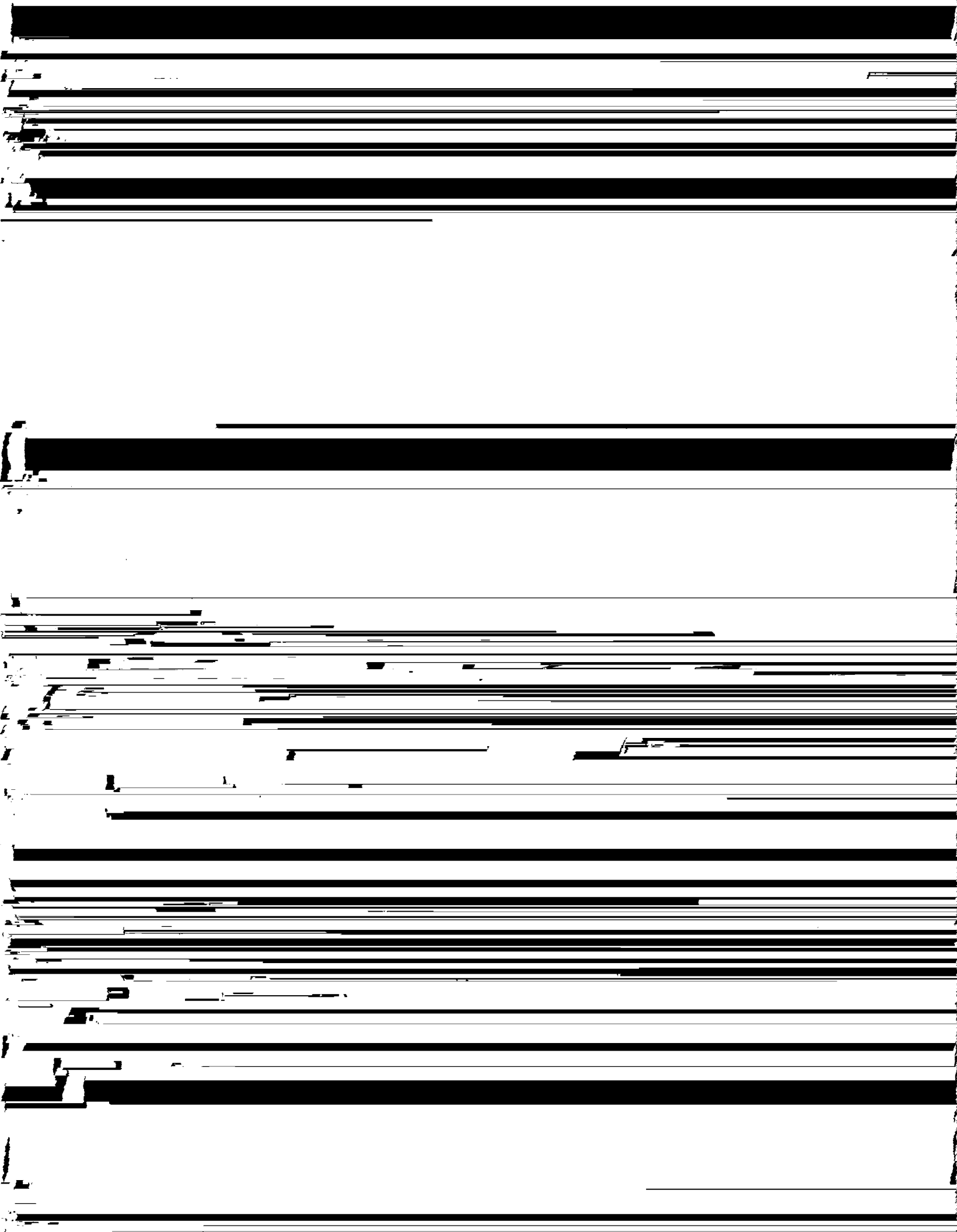
RU # M	SWNWSW Sec.18 T41S R24E	18-13 to 18-14. 4 gray quartzite, secondary reduction flakes.
	UTM: 648,200 m E	
	4,120,350 m N	
RU # N	NWSESE Sec.13 T41S R23E	13-33 to 13-44. 3 gray-green quartzite, interior core reduction flakes; 1 secondary reduction flake.
	UTM: 647,700 m E	
	4,120,350 m N	
RU # O	SESENW Sec.13 T41S R23E	*13-22 to 13-33. 1 green chert uniface with brown patina; 1 tan quartzite, tertiary reduction flake.
	UTM: 647,025 m E	
	4,121,000 m N	
RU # P	SWSESE Sec.12 T41S R23E	*13-31 to 12-44. 1 green-gray quartzite uniface.
	UTM: 647,700 m E	
	4,121,725 m N	
RU # Q	NESESE Sec.13 T41S R23E	*13-22 to 13-31. 1 gray quartzite uniface with tan to brown patina.
	UTM: 647,075 m E	
	4,121,100 m N	

Figure 5. Flaked Stone Tools

17

TABLE 5, continued

Number	Legal Location	Description
RU # J	NWSESE Sec.18 T41S R24E UTM: 649,300 m E 4,120,150 m N	18-44 to 18-34. 1 gray-tan quartzite, utilized, secondary reduction flake; 1 green quartzite secondary reduction flake.
RU # K	NESWSW Sec.18 T41S R24E UTM: 648,450 m E 4,120,175 m N	18-34 to 18-14. 1 white quartzite, tertiary reduction flake; 1 green-gray quartzite, tertiary reduction flake.
RU # L	NWSESE Sec.18 T41S R24E	17-14 to 17-44. 2 white chert, inter-



IF #0

GREEN Chert Uniface

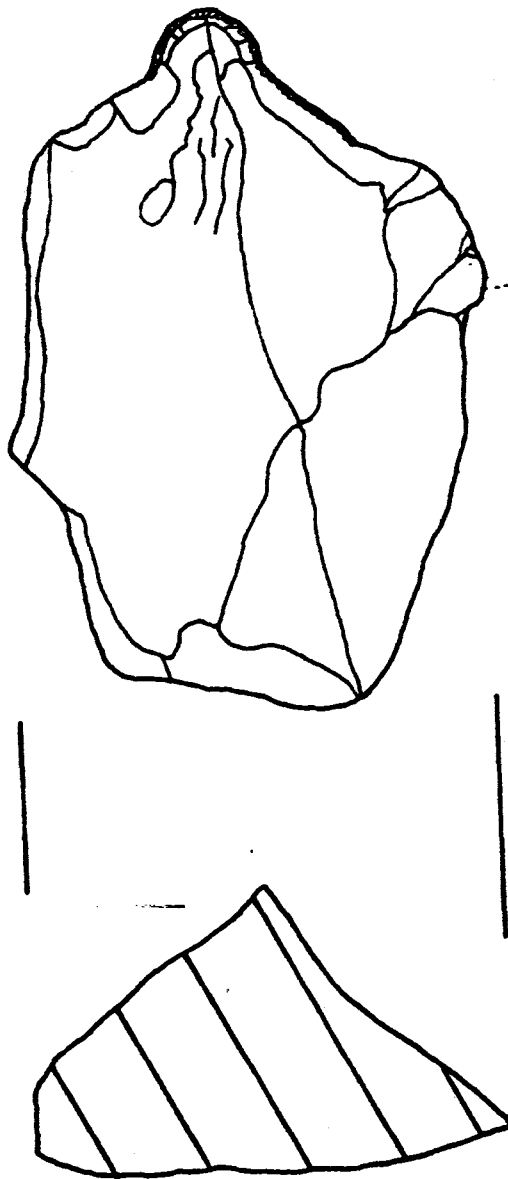


Figure 6. Flaked Stone Tool

with line J.

1984 An Archaeological Survey of 15 Drill Locations in the White Mesa Unit South of Montezuma Creek in San Juan County, Utah. Division of Conservation Archaeology, San Juan County Museum Association. Farmington, New Mexico.

Nickens, Paul R.

1982 "A Summary of the Prehistory of Southeastern Utah", IN Contributions to the Prehistory of Southeastern Utah. Assembled by Steven G. Baker. Centuries Research Inc. Utah State Office, Bureau of Land Management, Cultural Resource Series. No. 13.

Wilcox, David R.

1981 "The Entry of Athapaskans into the American Southwest: the problem today", IN The Protohistoric Period in the North American Southwest, edited by D.R. Wilcox and W.B. Masse. Arizona State University Anthropological Research Papers, No. 24.



OPERATOR Phillips Oil Co DATE 1-15-85

WELL NAME Kathford Unit #13-21

SEC NE NW 13 T 41S R 23E COUNTY San Juan

43-037-31128  
API NUMBER

Indian  
TYPE OF LEASE

CHECK OFF:

☒ PLAT

☒ BOND

☒ NEAREST WELL

☒ LEASE

☒ FIELD

☒ POTASH OR  
OIL SHALE

PROCESSING COMMENTS:

Unit well - OK on P.O.D.  
Need water permit

APPROVAL LETTER:

SPACING: ☒ A-3 Kathford  
UNIT

☐ C-3-a \_\_\_\_\_  
CAUSE NO. & DATE

☐ C-3-b

☐ C-3-c

STIPULATIONS:

1- Water



STATE OF UTAH  
NATURAL RESOURCES  
Oil, Gas & Mining

Scott M. Matheson, Governor  
Temple A. Reynolds, Executive Director  
Dianne R. Nielson, Ph.D., Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

January 17, 1985

Phillips Oil Company  
P. O. Box 2920  
Casper, Wyoming 82602

Gentlemen:

Re: Well No. Ratherford Unit #13-21 - NE NW Sec. 13, T. 41S, R. 23E  
660' FNL, 1920' FWL - San Juan County, Utah

Approval to drill the above referenced oil well is hereby granted in accordance with Section 40-6-18, Utah Code Annotated, as amended 1983; and predicated on Rule A-3, General Rules and Regulations and Rules of Practice and Procedure, subject to the following stipulations:

1. Prior to commencement of drilling, receipt by the Division of evidence providing assurance of an adequate and approved supply of water.

In addition, the following actions are necessary to fully comply with this approval:


1. Spudding notification to the Division within 24 hours after drilling operations commence.
2. Submittal to the Division of completed Form OGC-8-X, Report of Water Encountered During Drilling.
3. Prompt notification to the Division should you determine that it is necessary to plug and abandon this well. Notify John R. Baza, Petroleum Engineer, (Office) (801) 538-5340, (Home) 298-7695 or R. J. Firth, Associate Director, (Home) 571-6068.
4. Compliance with the requirements and regulations of Rule C-27, Associated Gas Flaring, General Rules and Regulations, Oil and Gas Conservation.

Phillips Oil Company  
Well No. Ratherford Unit #13-21  
January 17, 1985  
Page 2

5. This approval shall expire one (1) year after date of issuance unless substantial and continuous operation is underway or an application for an extension is made prior to the approval expiration date.

The API number assigned to this well is 43-037-31128.

Sincerely,



R. L. Firth  
Associate Director, Oil & Gas

as  
Enclosures  
cc: Branch of Fluid Minerals  
Bureau of Indian Affairs

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

## SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil well ☒ gas well ☐ other ☐2. NAME OF OPERATOR  
Phillips Oil CompanyDIVISION OF OIL  
GAS & MINING3. ADDRESS OF OPERATOR  
8055 E. Tufts Ave., Denver, CO 80237

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)

AT SURFACE: 660' FNL, 1920' FWL (NE/NW)  
AT TOP PROD. INTERVAL:  
AT TOTAL DEPTH:

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

## REQUEST FOR APPROVAL TO:

TEST WATER SHUT-OFF ☐  
FRACTURE TREAT ☐  
SHOOT OR ACIDIZE ☐  
REPAIR WELL ☐  
PULL OR ALTER CASING ☐  
MULTIPLE COMPLETE ☐  
CHANGE ZONES ☐  
ABANDON\* ☐  
(other) ☐

## SUBSEQUENT REPORT OF:

☐  
☐  
☐  
☐  
☐  
☐  
☐  
☐  
☐

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Drilled 18" conductor hole to 115' G.L. on 6-5-85. Ran 114' 13-3/8" K-55 54.5# Butt. casing. Set at 114', cemented with 177 cu.ft. (150 sx) Class B cement to surface. Finished job and moved out rat hole driller 6-5-85.

Spudded well 7-21-85 with Energy Search Drilling Rig #2. Drilled 12-1/4" hole to 1601'. Ran 9-5/8" 36# K-55 ST&C casing, set at 1600'. Cemented with 726 cu.ft. (300 sx) Class B w/20% Diacel D; tailed with 354 cu.ft. (300 sx) Class B. Circulated to surface, but fell back; pumped 65 sx Class B as top job. Job complete 7-22-85.

Subsurface Safety Valve: Manu. and Type \_\_\_\_\_ Set @ \_\_\_\_\_ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED Charles R. Burk TITLE Drilling Manager DATE July 23, 1985

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

6 - BLM, Farmington, NM  
2 - Utah O&GCC, SLC  
1 - Casper  
1 - File (RC)  
1 - J. Weichbrodt1-Chevron USA, INC  
1-Mobil Oil Corp.  
1-Texaco, Inc.

\*See Instructions on Reverse Side

1-Shell Oil Co.

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING  
1588 West North Temple  
Salt Lake City, Utah 84116

RECEIVED

JUL 29 1985

DIVISION OF OIL  
GAS & MINING

\*REPORT OF WATER ENCOUNTERED DURING DRILLING\*

Well Name & Number RATHERFORD Unit 13-21  
Operator PHILLIPS OIL Address 8055 E. TUTTS AVE DENVER, CO. 80237  
Contractor ENERGY SEARCH Address FARMINGTON N. M.  
Location NE 1/4 NW 1/4 Sec. 13 T. 41 R. 23 E County SAN JUAN

Water Sands

<u>Depth</u>		<u>Volume</u>	<u>Quality</u>
From	To	Flow Rate or Head	Fresh or Salty
1. <u>600-651</u>		<u>2" PER MIN</u>	<u>SLT SALTY</u>
2. _____			
3. _____			
4. _____			
5. _____			

(Continue of reverse side if necessary)

Formation Tops

Remarks

- NOTE: (a) Report on this form as provided for in Rule C-20, General Rules and Regulations and Rules of Practice and Procedure.
- (b) If a water analysis has been made of the above reported zone, please forward a copy along with this form.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

## SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back for different reservoir. Use Form 9-331-C for such proposals.)

RECEIVED

1. oil ☒ gas ☐  
well well other

AUG 26 1985

2. NAME OF OPERATOR  
Phillips Oil Company3. ADDRESS OF OPERATOR  
8055 E. Tufts Ave., Denver, CO 80237DIVISION OF OIL  
GAS & MINING4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)  
AT SURFACE: 660' FNL, 1920' FWL (NE/NW)  
AT TOP PROD. INTERVAL:  
AT TOTAL DEPTH:

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

## REQUEST FOR APPROVAL TO:

## SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF ☐  
FRACTURE TREAT ☐  
SHOOT OR ACIDIZE ☐  
REPAIR WELL ☐  
PULL OR ALTER CASING ☐  
MULTIPLE COMPLETE ☐  
CHANGE ZONES ☐  
ABANDON\* ☐  
(other) ☐☐  
☐  
☐  
☐  
☐  
☐  
☐  
☐

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

5. LEASE  
14-20-603-247-A6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
Navajo7. UNIT AGREEMENT NAME  
SW-I-41928. FARM OR LEASE NAME  
Ratherford Unit9. WELL NO.  
#13-2110. FIELD OR WILDCAT NAME  
Greater Aneth11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
Sec. 13-T41S-R23E12. COUNTY OR PARISH 13. STATE  
San Juan Utah14. API NO.  
43-037-3112815. ELEVATIONS (SHOW DF, KDB, AND WD)  
4605' ung. grounded

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Drilled 8-3/4" hole to 5479'. Ran 7" 23# & 26# K-55 LT&C & ST&C casing, set at 5478.6'. Cemented with 1122 cu.ft. (550 sx) Class B Light; tailed with 360 cu.ft. (300 sx) Class B w/18% salt. Pressure tested casing to 1500 psi. Job complete 8-9-85. Plug back total depth 5479'.

Subsurface Safety Valve: Manu. and Type \_\_\_\_\_ Set @ \_\_\_\_\_ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED Charles E. Burk TITLE Drilling Mgr. DATE August 21, 1985

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:6-BLM, Farmington, NM  
2-Utah O&GCC, SLC  
1-Casper  
1-File (RC)  
1-J. Weichbrodt

TITLE \_\_\_\_\_ DATE \_\_\_\_\_

1-Chevron USA, Inc.  
1-Mobil Oil Corp.  
1-Texaco, Inc.  
\*See Instructions on Reverse Side  
1-Shell Oil Corp.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE

(See other instructions on reverse side)

Form approved.  
Budget Bureau No. 1004-0137  
Expires August 31, 1985

WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

1. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ DRY ☐ Other ☐

2. TYPE OF COMPLETION:

NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. REINFR. ☐ Other ☐

3. NAME OF OPERATOR

Phillips Petroleum Company

4. ADDRESS OF OPERATOR

P.O. Box 2920, Casper, Wyoming 82602

5. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*

At surface 660' FNL & 1920' FWL, NE NW

At top prod. interval reported below

At total depth

RECEIVED

OCT 17 1985

DIVISION OF OIL

GAS & MINERAL

6. PERMIT NO.

7. DATE ISSUED

API#43-037-31128

--

1-17-85

8. DATE SPUNDED 9. DATE T.D. REACHED 10. DATE COMPL. (Ready to prod.) 11. ELEVATIONS (DF, RKB, RT, GR, ETC.)\* 12. ELEV. CASINGHEAD

7/21/85

8/6/85

8/27/85

GR 4607.7', RKB 4620.7'

--

13. TOTAL DEPTH, MD & TVD 14. PLUG BACK T.D., MD & TVD 15. IF MULTIPLE COMPL., HOW MANY\* 16. INTERVALS DRILLED BY 17. ROTARY TOOLS 18. CABLE TOOLS

5479'

5456'

--

--

10 - 5479'

--

19. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\*

5386' - 5446' Desert Creek Zone I

20. WAS DIRECTIONAL SURVEY MADE

No

21. TYPE ELECTRIC AND OTHER LOGS RUN

DLL-MSFL-GR-SP-Caliper, ML, FDC-CND, CBL

22. WAS WELL CORED

Yes

23. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13-3/8"	54.5#	114'	18"	177 cu. ft. Class B	--
9-5/8"	36#	1600'	12-1/4"	1080 cu. ft. Class B	--
7"	23# & 26#	5478.6'	8-3/4"	1482 cu. ft. Class B	--

24. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
--	--	--	--	--	2-7/8"	5200'	--

25. PERFORATION RECORD (Interval, size and number)

5386-5433', 2 SPF, 4" HSC Gun, 94 Shots  
5440-5446', 2 SPF, 4" HSC Gun, 12 Shots  
23 gram charges

26. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
5386-5446'	Acidized each ft of perfs w/50 gal 28% HCL. Acidized 2nd Stage w/5400 gal 28% HCL w/2 gal/1000 F-801 fines suspender, 3 gal/1000 W-802 non-emulsifier, 1 gal/1000

27. PRODUCTION -Continued on Back-

30.

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)					WELL STATUS (Producing or shut-in)	
8/27/85		Pumping 1-1/2" pump					Producing	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO	
10/11/85	24	--	→	79	32	4	400	
FLOW, TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)		
--	--	→	79	32	4	40.0		

28. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

Sold

TEST WITNESSED BY

--

29. LIST OF ATTACHMENTS

None

30. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

*D. C. Gill*

TITLE

Area Manager

DATE

10/15/85

\*(See Instructions and Spaces for Additional Data on Reverse Side)

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
Cont'd 26. Acid, Shot, Fracture, Cement, Squeeze, Etc. A-250 corrosion inhibitor and 6 gal/1000 U-42 iron agent, using 150 ball sealers. Displaced w/37 bbls brine wtr.			
Core #1	5386'	5438'	Core bbl jammed, rec 50.5' of 52'.
Core #2	5438'	5479'	Recovered 39.5' of 41'.
NO DST'S RUN.			
<u>DISTRIBUTION</u> 4 - BLM, Farmington, NM 2 - Utah O&GCC, Salt Lake City, UT 1 - The Navajo Nation, Window Rock, AZ 1 - R. Ewing, B'Ville 1 - L. Williamson r) G. W. Berk, Denver 1 - T. L. Carten r) P. Bertuzzi, Denver 1 - J. B. Lindemood, Denver 1 - D. L. Kennedy, Denver 16 - W.I. Owners 1 - J. Weichbrodt, Cortez 1 - File RC			

38. GEOLOGIC MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
	<u>LOG TOPS</u>	
Shinarump		2116'
DeChelly		2470'
Hermosa		4364'
Ismay		5218'
Desert Creek Zone I		5380'



# Mobil Oil Corporation

P.O. BOX 5444  
DENVER, COLORADO 80217-5444

May 14, 1986

RECEIVED  
MAY 16 1986

Utah Board of Oil, Gas and Mining  
355 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203

Attn: R. J. Firth  
Associate Director

DIVISION OF  
OIL, GAS & MINING

## SUPERIOR OIL COMPANY MERGER

Dear Mr. Firth:

On September 20, 1984, The Superior Oil Company (Superior) became a wholly owned subsidiary of Mobil Corporation. Since January 1, 1985, Mobil Oil Corporation (MOC), another wholly owned subsidiary of Mobil Corporation, has acted as agent for Superior and has operated the Superior-owned properties.

On April 24, 1986, Superior was merged with Mobil Exploration and Producing North America Inc. (MEPNA), which is also a wholly owned subsidiary of Mobil Corporation. MEPNA is the surviving company of the merger.

This letter is to advise you that all properties held in the name of Superior will now be held in the name of MEPNA; and that these properties will continue to be operated by MOC as agent for MEPNA.

Attached is a listing of all wells and a separate listing of injection-disposal wells, Designation of Agent and an organization chart illustrating the relationships of the various companies. If you have any questions or require additional documentation of this merger, please feel free to contact me at the above address or (303) 298-2577.

Very truly yours,



CNE/rd  
CNE8661

R. D. Baker  
Environmental Regulatory Manager

STATE OF UTAH  
DIVISION OF OIL, GAS AND MININGPage 1 of 10

## MONTHLY OIL AND GAS PRODUCTION REPORT

OPERATOR NAME AND ADDRESS:

P J KONKEL  
PHILLIPS PETROLEUM COMPANY  
5525 HWY 64 NBU 3004  
FARMINGTON NM 87401

ACCOUNT NUMBER: N0772

AUG 16 1993

REPORT PERIOD (MONTH/YEAR):

6 / 93

DIVISION OF  
OIL, GAS & MININGAMENDED REPORT ☐ (Highlight Changes)

Well Name			Producing Zone	Well Status	Days Oper	Production Volumes		
API Number	Entity	Location				OIL(BBL)	GAS(MCF)	WATER(BBL)
#21-23								
4303713754	06280	41S 24E 21	DSCR	POW	29	1374	883	58
#3-44								
4303715031	06280	41S 24E 3	DSCR	POW	30	111	94	2905
#3-14								
4303715124	06280	41S 24E 3	DSCR	POW	30	67	23	302
#9-12								
4303715126	06280	41S 24E 9	DSCR	POW	30	112	654	17363
#9-14								
4303715127	06280	41S 24E 9	DSCR	POW	30	201	315	423
#28-12								
4303715336	06280	41S 24E 28	PRDX	POW	29	112	47	2428
#29-12								
4303715337	06280	41S 24E 29	PRDX	POW	29	56	0	672
#29-32								
4303715339	06280	41S 24E 29	DSCR	POW	29	1402	287	2224
#29-34								
4303715340	06280	41S 24E 29	DSCR	POW	29	757	48	0
#30-32								
4303715342	06280	41S 24E 30	DSCR	POW	29	588	1049	3744
#3-12								
4303715620	06280	41S 24E 3	DSCR	POW	30	268	11	363
#9-34								
4303715711	06280	41S 24E 9	DSCR	POW	30	45	46	9800
#10-12								
4303715712	06280	41S 24E 10	DSCR	POW	30	45	23	1088
TOTALS						5138	3480	41370

COMMENTS: Effective July 1, 1993, Phillips Petroleum Company has sold its interest in the  
Ratherford Unit to Mobil Exploration and Producing U.S., Incorporated, P. O. Box  
633, Midland, Texas 79702. Mobil assumed operations on July 1, 1993.

I hereby certify that this report is true and complete to the best of my knowledge.

Date: 8/11/93

Name and Signature: PAT KONKEL

*Pat Konkell*

Telephone Number: 505 599-3452

STATE OF UTAH  
DIVISION OF OIL, GAS AND MININGPage 1 of 1

## MONTHLY OIL AND GAS DISPOSITION REPORT

OPERATOR NAME AND ADDRESS:

*L B Sheffield*~~BRIAN BERRY~~~~M E P N A MOBIL~~~~POB 219031 1807A RENTW~~~~DALLAS TX 75221-9031~~ *P.O. DRAWER 6*  
*CORTEZ, CO. 81321*UTAH ACCOUNT NUMBER: N7370REPORT PERIOD (MONTH/YEAR): 7 / 93AMENDED REPORT ☐ (Highlight Changes)*\*931006 updated.  
Lee*

ENTITY NUMBER	PRODUCT	GRAVITY	BEGINNING INVENTORY	VOLUME PRODUCED	DISPOSITIONS				ENDING INVENTORY
		BTU			TRANSPORTED	USED ON SITE	FLARED/VENTED	OTHER	
05980	OIL			177609	177609	0			
	GAS			72101	66216	5885			
11174	OIL								
	GAS								
	OIL								
	GAS								
	OIL								
	GAS								
	OIL								
	GAS								
	OIL								
	GAS								
	OIL								
	GAS								
	OIL								
	GAS								
TOTALS				249710	243825	5885			

COMMENTS:

*PLEASE NOTE ADDRESS change. Mobil ~~also~~ PRODUCTION Reports  
will be compiled and sent from the Cortez, Co. office  
IN THE FUTURE.*

I hereby certify that this report is true and complete to the best of my knowledge.

Name and Signature:

*L B Sheffield*

Date:

*9/5/93*

Telephone Number:

*303.565.2212  
244.658.2528*

Sept 29, 1993

TO: Lisha Cordova - Utah Mining  
Oil & Gas

FROM: Janice Easley  
BLM Farmington, NM  
505 599-6355

Here is copy of Rutherford Unit  
Successor Operator.

4 pages including this one.

*2-6- Rathford Unit (GC)*

RECEIVED  
BLM

SEP 27 AM 11:44

OTO FARMINGTON, NM

Navajo Area Office  
P. O. Box 1060  
Gallup, New Mexico 87305-1060

ARES/543

JUL 26 1993

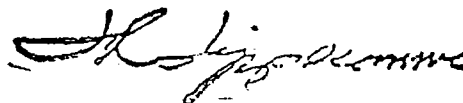
Mr. G. D. Cox  
Mobil Exploration and  
Producing North America, Inc.  
P. O. Box 633  
Midland, Texas 79702

Dear Mr. Cox:

Enclosed for your information and use is the approved Designation of Operator between the Phillips Petroleum Company and Mobil Exploration and Producing North America, Inc. for the Rathford Unit.

Please note that all other concerned parties will be furnished their copy of the approved document.

Sincerely,



ACTING Area Director

Enclosure

cc: Bureau of Land Management, Farmington District Office w/enc.  
TNN, Director, Minerals Department w/enc.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF INDIAN AFFAIRS

RECEIVED  
BLM

DESIGNATION OF OPERATOR

Phillips Petroleum Company is, on the records of the Bureau of Indian Affairs, operator of the Ratherford Unit,

AREA OFFICE: Window Rock, Arizona  
LEASE NO: Attached hereto as Exhibit "A"

070 FARMINGTON, NM

and, pursuant to the terms of the Ratherford Unit Agreement, is resigning as Unit Operator effective July 1, 1993, and hereby designates

NAME: Mobil Exploration and Producing North America Inc., duly elected pursuant to the terms of the Ratherford Unit Agreement,

ADDRESS: P. O. Box 633, Midland, Texas 79702  
Attn: G. D. Cox

as Operator and local agent, with full authority to act on behalf of the Ratherford Unit lessees in complying with the terms of all leases and regulations applicable thereto and on whom the authorized officer may serve written or oral instructions in securing compliance with the Operating Regulations (43 CFR 3160 and 25 CFR 211 and 212) with respect to (described acreage to which this designation is applicable):

Attached hereto as Exhibit "A"

Bond coverage under 25 CFR 211, 212 or 225 for lease activities conducted by the above named designated operator is under Bond Number 05202782 (attach copy). Evidence of bonding is required prior to the commencement of operations.

It is understood that this designation of operator does not relieve any lessee of responsibility for compliance with the terms of the leases and the Operating Regulations. It is also understood that this designation of operator does not constitute an assignment of any interest in the leases.

In case of default on the part of the designated operator, the lessees will make full and prompt compliance with all regulations, lease terms, stipulations, or orders of the Secretary of the Interior or his representative.

Attached is the appropriate documentation relevant to this document.

The designated operator agrees to promptly notify the authorized officer of any change in the operatorship of said Ratherford Unit.

Phillips Petroleum Company

June 17, 1993

By: M. B. [Signature]  
Attorney-in-Fact

Mobil Exploration and Producing  
North America Inc.

June 11, 1993

By: B. D. Martiny  
Attorney-in-Fact B.D. MARTINY

[Signature] ACTING AREA DIRECTOR  
APPROVED BY TITLE DATE  
7/9/93

APPROVED PURSUANT, TO SECRETARIAL REDELEGATION ORDER 209 DM 8 AND 230 DM 3.

This form does not constitute an information collection as defined by 44 U.S.C. 3502 and therefore does not require OMB approval.

## EXHIBIT "A"

ATTACHED TO AND MADE A PART OF DESIGNATION OF SUCCESSOR OPERATOR, RATHERFORD UNIT

## EXHIBIT "C"

Revised as of September 29, 1992  
SCHEDULE OF TRACT PERCENTAGE PARTICIPATION

<u>Tract Number</u>	<u>Description of Land</u>	<u>Serial Number and Effective Date of Lease</u>	<u>Tract Percentage Participation</u>
1	S/2 Sec. 1, E/2 SE/4 Sec. 2, E/4 Sec. 11, and all of Sec. 12, T-41-S, R-23-E, S.L.M., San Juan County, Utah	14-20-603-246-A Oct. 5, 1953	11.0652565
2	SE/4 and W/2 SW/4 Sec. 5, the irregular SW/4 Sec. 6, and all of Sec. 7 and 8, T-41-S, R-24-E, San Juan County, Utah	14-20-603-368 Oct. 26, 1953	14.4159942
3	SW/4 of Sec. 4, T-41-S, R-24-E, San Juan County, Utah	14-20-603-5446 Sept. 1, 1959	.5763826
4	SE/4 Sec. 4, and NE/4 Sec. 9, T-41-S, R-24-E, San Juan County, Utah	14-20-603-4035 March 3, 1958	1.2587779
5	SW/4 of Sec. 3, T-41-S, R-24-E, S.L.M., San Juan County, Utah	14-20-603-5445 Sept. 3, 1959	.4667669
6	NW/4 of Sec. 9, T-41-S, R-24-E, S.L.M., San Juan County, Utah	14-20-603-5045 Feb. 4, 1959	1.0187043
7	NW/4, W/2 NE/4, and SW/4 Sec. 10, SE/4 Sec. 9, T-41-S, R-24-E, San Juan County, Utah	14-20-603-4043 Feb. 18, 1958	3.5097575
8	SW/4 Sec. 9, T-41-S, R-24-E, S.L.M., San Juan County, Utah	14-20-603-5046 Feb. 4, 1959	1.1141679
9	SE/4 Sec. 10 and S/2 SW/4 Sec. 11 T-41-S, R-24-E, San Juan County, Utah	14-20-603-4037 Feb. 14, 1958	2.6186804
10	All of Sec. 13, E/2 Sec. 14, and E/2 SE/4 and N/2 Sec. 24, T-41-S, R-23-E, S.L.M., San Juan County, Utah	14-20-603-247-A Oct. 5, 1953	10.3108861
11	Sections 17, 18, 19 and 20, T-41-S, R-24-E, San Juan County Utah	14-20-603-353 Oct. 27, 1953	27.3389265
12	Sections 15, 16, 21, and NW/4, and W/2 SW/4 Sec. 22, T-41-S, R-24-E, San Juan County, Utah	14-20-603-355 Oct. 27, 1953	14.2819339
13	W/2 Section 14, T-41-S, R-24-E, San Juan County, Utah	14-20-603-370 Oct. 26, 1953	1.8500847
14	N/2 and SE/4, and E/2 SW/4 Sec. 29, NE/4 and E/2 SE/4 and E/2 W/2 irregular Sec. 30, and E/2 NE/4 Sec. 32, T-41-S, R-24-E, San Juan County, Utah	14-20-603-407 Dec. 10, 1953	6.9924969
15	NW/4 Sec. 28, T-41-S, R24-E San Juan County, Utah	14-20-603-409 Dec. 10, 1953	.9416393
16	SE/4 Sec. 3, T-41-S, R-24-E San Juan County, Utah	14-20-0603-6504 July 11, 1961	.5750254
17	NE/4 Sec. 3, T-41-S, R-24-E San Juan County, Utah	14-20-0603-6505 July 11, 1961	.5449292
18	NW/4 Sec. 3, T-41-S, R-24-E San Juan County, Utah	14-20-0603-6506 July 11, 1961	.5482788
19	NE/4 Sec. 4, T-41-S, R24-E San Juan County, Utah	14-20-0603-7171 June 11, 1962	.4720628
20	E/2 NW/4 Sec. 4, T-41-S, R-24-E San Juan County, Utah	14-20-0603-7172 June 11, 1962	.0992482

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

<p align="center"><b>SUNDRY NOTICES AND REPORTS ON WELLS</b></p> <p align="center">(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)</p>		5. LEASE DESIGNATION & SERIAL NO.
<p>1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/></p>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME NAVAJO TRIBAL
2. NAME OF OPERATOR MOBIL OIL CORPORATION		7. UNIT AGREEMENT NAME RATHERFORD UNIT
3. ADDRESS OF OPERATOR P. O. BOX 633 MIDLAND, TX 79702		8. FARM OR LEASE NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface		9. WELL NO.
At proposed prod. zone		10. FIELD AND POOL, OR WILDCAT GREATER ANETH
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA		
14. API NO.	15. ELEVATIONS (Show whether DF, RT, GR, etc.)	12. COUNTY SAN JUAN
		13. STATE UTAH

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <u>CHANGE OF OPERATOR</u> <input type="checkbox"/>	
(Other) <input type="checkbox"/>		(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	
APPROX. DATE WORK WILL START _____		DATE OF COMPLETION _____	

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

\* Must be accompanied by a cement verification report.

AS OF JULY1, 1993, MOBIL OIL CORPORATION IS THE OPERATOR OF THE RATHERFORD UNIT.  
ATTACHED ARE THE INDIVIDUAL WELLS.

18. I hereby certify that the foregoing is true and correct

SIGNED Shirley Dodd TITLE ENV. & REG TECHNICIAN DATE 9-8-93

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

See Instructions On Reverse Side



Division of Oil, Gas and Mining  
PHONE CONVERSATION DOCUMENTATION FORM

Route original/copy to:

☐ Well File \_\_\_\_\_

☐ Suspense  
(Return Date) \_\_\_\_\_  
(To - Initials) \_\_\_\_\_

☒ Other  
OPERATOR CHANGE

(Location) Sec \_\_\_\_\_ Twp \_\_\_\_\_ Rng \_\_\_\_\_  
(API No.) \_\_\_\_\_

1. Date of Phone Call: 10-6-93 Time: 9:30

2. DOGM Employee (name) L. CORDOVA (Initiated Call ☒  
Talked to:

Name GLEN COX (Initiated Call ☐ - Phone No. (915) 688-2114

of (Company/Organization) MOBIL

3. Topic of Conversation: OPERATOR CHANGE FROM PHILLIPS TO MOBIL "RATHERFORD UNIT".  
(NEED TO CONFIRM HOW OPERATOR WANTS THE WELLS SET UP - MEPNA AS PER BIA APPROVAL  
OR MOBIL OIL CORPORATION AS PER SUNDRY DATED 9-8-93?)

4. Highlights of Conversation: \_\_\_\_\_

MR. COX CONFIRMED THAT THE WELLS SHOULD BE SET UNDER ACCOUNT N7370/MEPNA AS  
PER BIA APPROVAL, ALSO CONFIRMED THAT PRODUCTION & DISPOSITION REPORTS WILL NOW  
BE HANDLED OUT OF THEIR CORTEZ OFFICE RATHER THAN DALLAS.

MEPNA-

PO DRAWER G

CORTEZ, CO 81321

(303)565-2212

\*ADDRESS CHANGE AFFECTS ALL WELLS CURRENTLY OPERATED BY MEPNA, CURRENTLY  
REPORTED OUT OF DALLAS (MCELMO CREEK).

Division of Oil, Gas and Mining  
**OPERATOR CHANGE WORKSHEET**

Routing:

1	REC/17-93
2	DTG/58-1118
3	VLC
4	RJE
5	11/18
6	AL

Attach all documentation received by the division regarding this change.  
 Initial each listed item when completed. Write N/A if item is not applicable.

- ☒ Change of Operator (well sold)      ☐ Designation of Agent  
☐ Designation of Operator      ☐ Operator Name Change Only

The operator of the well(s) listed below has changed (EFFECTIVE DATE: 7-1-93)

TO (new operator) M E P N A  
 (address) PO DRAWER G  
CORTEZ, CO 81321  
GLEN COX (915) 688-2114  
 phone (303) 565-2212  
 account no. N7370

FROM (former operator) PHILLIPS PETROLEUM COMPANY  
 (address) 5525 HWY 64 NBU 3004  
FARMINGTON, NM 87401  
PAT KONKEL  
 phone (505) 599-3452  
 account no. N0772(A)

Well(s) (attach additional page if needed):

**\*RATHERFORD UNIT (NAVAJO)**

Name: <b>**SEE ATTACHED**</b>	API: <u>43-037-31128</u>	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____

**OPERATOR CHANGE DOCUMENTATION**

- Sec 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form). (Reg. 8-20-93) (6/93 Prod. Rpt. 8-16-93)
- Sec 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form). (Reg. 8-31-93) (Rec'd 9-14-93)
- N/A 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes/no) \_\_\_\_ If yes, show company file number: \_\_\_\_\_.
- Sec 4. (For Indian and Federal Wells ONLY) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of Federal and Indian well operator changes should take place prior to completion of steps 5 through 9 below.
- Sec 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. (O&G wells 10-6-93) (Wiw's 10-26-93)
- Sec 6. Cardex file has been updated for each well listed above. (O&G wells 10-6-93) (Wiw's 10-26-93)
- Sec 7. Well file labels have been updated for each well listed above. (O&G wells 10-6-93) (Wiw's 10-26-93)
- Sec 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission. (10-6-93)
- Sec 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

## ENTITY REVIEW

- Yes 1. (Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) no (If entity assignments were changed, attach copies of Form 6, Entity Action Form).
- N/A 2. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

## BOND VERIFICATION (Fee wells only)

- Yes 1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond.
- N/A 2. A copy of this form has been placed in the new and former operators' bond files.
3. The former operator has requested a release of liability from their bond (yes/no)   . Today's date                      19  . If yes, division response was made by letter dated                      19  .

## LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

- N/A 1. (Rule R615-2-10) The former operator/lessee of any fee lease well listed above has been notified by letter dated                      19  , of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested.
- N/A 2. Copies of documents have been sent to State Lands for changes involving State leases.

## FILMING

- ✓ 1. All attachments to this form have been microfilmed. Date: 11-17 19 93.

## FILING

- Yes 1. Copies of all attachments to this form have been filed in each well file.
- Yes 2. The original of this form and the original attachments have been filed in the Operator Change file.

## COMMENTS

931006 BIA/Btm Approved 7-9-93.

✓ 12W-44	43-037-16405	14-20-603-246A	SEC. 12, T41S, R23E	SE/SE 660 FSL; 660 FEL	PA'd
✓ 12W-44A	43-037-31543	14-20-603-246A	SEC. 12, T41S, R23E	SE/SE 807 FSL; 772 FSL	
✓ 13-11W	43-037-31152	14-20-603-247A	SEC. 13, T41S, R23E	NW/NW 500 FNL; 660 FWL	
✓ 13-12	43-037-31127	14-20-603-247A	SEC. 13, T41S, R23E	SW/NW 1705 FNL; 640 FWL	
✓ 13W-13	43-037-15851	14-20-603-247A	SEC. 13, T41S, R23E	NW/SW 1980 FSL; 4620 FEL	
✓ 13-14	43-037-31589	14-20-603-247A	SEC. 13, T41S, R23E	660 FSL; 660 FWL	
✓ 13-21	43-037-31128	14-20-603-247A	SEC. 13, T41S, R23E	NE/NW 660 FNL; 1920 FWL	
✓ 13W-22	43-037-15852	14-20-603-247A	SEC. 13, T41S, R23E	SE/NW 1988 FNL; 3300 FEL	
✓ 13-23	43-037-31129	14-20-603-247A	SEC. 13, T41S, R23E	NE/SW 1980 FSL; 1930 FWL	
✓ 13W-44	43-037-15853	14-20-603-247	SEC. 13, T41S, R23E	660 FSL; 3300 FEL	
✓ 13W-32	43-037-16406	14-20-603-247A	SEC. 13, T41S, R23E	1881 FNL; 1979 FEL	
✓ 13W-33	43-037-15855	14-20-603-247A	SEC. 13, T41S, R23E	NW/SE 1970 FSL; 1979 FEL	
✓ 13W-34	43-037-31130	14-20-603-247A	SEC. 13, T41S, R23E	SW/SE 660 FSL; 1980 FEL	
✓ 13-41	43-037-15856	14-20-603-247A	SEC. 13, T41S, R23E	NE/NE 660 FNL; 660 FEL	
✓ 13W-42	43-037-15857	14-20-603-247A	SEC. 13, T41S, R23E	SE/NE 2139; 585 FEL	
✓ 13-43	43-037-31131	14-20-603-247A	SEC. 13, T41S, R23E	NE/SE 1700 FSL; 960 FEL	
✓ 13W-44	43-037-16407	14-20-603-247A	SEC. 13, T41S, R23E	SE/SE 635 FSL; 659 FEL	
✓ 14-03	NA	14-20-603-4037	SEC. 11, T41S, R23E	SW/SW 660 FSL; 660 FEL	
✓ 14-32	43-037-15858	14-20-603-247A	SEC. 14, T41S, R23E	2130 FNL; 1830 FEL	
✓ 14-41	43-037-31623	14-20-603-247A	SEC. 14, T41S, R23E	NE/NE 521 FEL; 810 FNL	
✓ 14W-42	43-037-15860	14-20-603-247A	SEC. 14, T41S, R23E	SE/NE 1976 FNL; 653 FEL	
✓ 14W-43	43-037-16410	14-20-603-247A	SEC. 14, T41S, R23E	3300 FSL; 4770 FEL	
✓ 14-33	43-037-15859	14-20-603-247	SEC. 14, T41S, R23E	2130 FSL; 1830 FEL	
✓ 15-12	43-037-15715	14-20-603-355	SEC. 15, T41S, R24E	1820 FNL; 500 FWL	
✓ 15W-21	43-037-16411	14-20-603-355	SEC. 15, T41S, R24E	660 FNL; 1820 FWL	
✓ 15-22	43-037-30449	14-20-603-355	SEC. 15, T41S, R24E	SE/NW, 1980 FNL; 2050 FWL	
✓ 15-32	43-037-15717	14-20-603-355A	SEC. 15, T41S, R24E	1980 FNL; 1980 FEL	
✓ 15-33	43-037-15718	14-20-603-355	SEC. 15, T41S, R24E	NW/SE 1650 FSL; 1980 FEL	
✓ 15-41	43-037-15719	14-20-603-355	SEC. 15, T41S, R24E	660 FNL; 660' FEL	
✓ 15-42	43-037-30449	14-20-603-355	SEC. 15, T41S, R24E	SE/NE 2020 FNL; 820 FEL	
✓ 16W-12	43-037-15720	14-20-603-355	SEC. 16, T41S, R24E	SW/NW 1880 FNL; 660 FWL	
✓ 16-13	43-037-31168	14-20-603-355	SEC. 16, T41S, R24E	1980 FSL; 660 FWL	
✓ 16W-14	43-037-15721	14-20-603-355	SEC. 16, T41S, R24E	SW/SW 660 FSL; 660 FWL	
✓ 16W-21	43-037-16414	14-20-603-355	SEC. 16, T41S, R24E	NE/NW 660 FNL; 1880 FWL	
✓ 16W-23	43-037-15722	14-20-603-355	SEC. 16, T41S, R24E	NE/SW 1980 FSL; 1980 FWL	
✓ 16-32	43-037-15723	14-20-603-355	SEC. 16, T41S, R24E	1980 FNL; 1980' FEL	
✓ 16-34	43-037-15724	14-20-603-355	SEC. 16, T41S, R24E	660 FNL; 1980' FEL	
✓ 16-41	43-037-15725	14-20-603-355	SEC. 16, T41S, R24E	660 FNL; 660 FEL	
✓ 16W-43	43-037-16415	14-20-603-355	SEC. 16, T41S, R24E	NE/SE 2140 FSL; 820 FEL	
✓ 17-11	43-037-31169	14-20-603-353	SEC. 17, T41S, R24E	NW/NW 1075' FNL; 800' FWL	
✓ 17W-12	43-037-15726	14-20-603-353	SEC. 17, T41S, R24E	SW/NW 1980' FNL; 510' FWL	
✓ 17-13	43-037-31133	14-20-603-353	SEC. 17, T41S, R24E	NW/SW 2100' FSL; 660' FWL	
✓ 17W-14	43-037-15727	14-20-603-353	SEC. 17, T41S, R24E	SW/SW 660' FSL; 660' FWL	
✓ 17W-21	43-037-16416	14-20-603-353	SEC. 17, T41S, R24E	510' FNL; 1830' FWL	
✓ 17-22	43-037-31170	14-20-603-353	SEC. 17, T41S, R24E	1980' FNL; 1980' FWL	
✓ 17W-23	43-037-15728	14-20-603-353	SEC. 17, T41S, R24E	NE/SW 1980' FWL; 1880' FSL	
✓ 17-31	43-037-31178	14-20-603-353	SEC. 17, T41S, R24E	NW/NE 500' FNL; 1980' FEL	
✓ 17-32W	43-037-15729	14-20-603-353	SEC. 17, T41S, R24E	SW/NE 1830' FNL; 2030' FEL	
✓ 17-33	43-037-31134	14-20-603-353	SEC. 17, T41S, R24E	NW/SE 1980' FSL; 1845' FEL	
✓ 17-34W	43-037-15730	14-20-603-353	SEC. 17, T41S, R24E	SW/SE 560' FSL; 1880' FEL	
✓ 17W-41	43-037-15731	14-20-603-353	SEC. 17, T41S, R24E	610' FNL; 510' FEL	
✓ 17-42	43-037-31177	14-20-603-353	SEC. 17, T41S, R24E	SE/NE 1980; FNL, 660' FEL	
✓ 17-44	43-037-15732	14-20-603-353	SEC. 17, T41S, R24E	660 FSL; 660' FEL	
✓ 17W-43	43-037-16417	14-20-603-353	SEC. 17, T41S, R24E	NE/SE 1980' FSL; 660' FEL	
✓ 18-11	43-037-15733	14-20-603-353	SEC. 18, T41S, R24E	NW/NW 720' FNL; 730' FWL	
✓ 18-12W	43-037-31153	14-20-603-353	SEC. 18, T41S, R24E	SW/NW 1980' FNL; 560' FWL	
✓ 18W-21	43-037-16418	14-20-603-353	SEC. 18, T41S, R24E	NE/NW 660' FNL; 1882' FWL	
✓ 18-22	43-037-31236	14-20-603-353	SEC. 18, T41S, R24E	SW/NW 2200' FNL; 2210' FWL	
✓ 18W-23	43-037-30244	14-20-603-353	SEC. 18, T41S, R24E	NE/SW 2385' FSL; 2040' FWL	
✓ 18W-14	43-037-15735	14-20-603-353	SEC. 18, T41S, R24E	SW/SW 810' FSL; 600' FWL	
✓ 18-24	43-037-31079	14-20-603-353	SEC. 18, T41S, R24E	SE/SW 760' FSL; 1980' FWL	
✓ 18-31	43-037-31181	14-20-603-353	SEC. 18, T41S, R24E	NW/NE 795' FNL; 2090; FEL	
✓ 18W-32	43-037-15736	14-20-603-353	SEC. 18, T41S, R24E	SW/NE 2140' FNL; 1830' FEL	
✓ 18-33	43-037-31135	14-20-603-353	SEC. 18, T41S, R24E	NW/SE 1870' FSL; 1980' FEL	
✓ 18-34W	43-037-15737	14-20-603-353	SEC. 18, T41S, R24E	SW/SE 780' FSL; 1860 FEL	
✓ 18W-41	43-037-15738	14-20-603-353	SEC. 18, T41S, R24E	NE/NE 660' FNL; 660' FEL	
✓ 18-42	43-037-31182	14-20-603-353	SEC. 18, T41S, R24E	SE/NE 2120' FNL; 745' FEL	
✓ 18W-43	43-037-16419	14-20-603-353	SEC. 18, T41S, R24E	NE/SE 1980' FSL; 660' FEL	PA'd
✓ 18-44	43-037-31045	14-20-603-353	SEC. 18, T41S, R24E	SE/SE 660' FSL; 660' FEL	
✓ 19-11	43-037-31080	14-20-603-353	SEC. 19, T41S, R24E	NW/NW 660' FNL; 660' FWL	
✓ 19-12	43-037-15739	14-20-603-353	SEC. 19, T41S, R24E	600' FWL; 1980' FNL	
✓ 19-14	43-037-15740	14-20-603-353	SEC. 19, T41S, R24E	600' FSL; 660' FEL	

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.

Use "APPLICATION FOR PERMIT - " for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

MOBIL EXPLORATION & PRODUCING US, AS AGENT FOR MEPNA

3. Address and Telephone No.

P. O. BOX 633, MIDLAND, TX 79702

(915) 688-2585

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

660' FNL, 1920' FWL; SEC 13, T41S, R23E

5. Lease Designation and Serial No.

14-20-603-247A

6. If Indian, Allottee or Tribe Name

NAVAJO TRIBAL

7. If Unit or CA, Agreement Designation

RATHERFORD UNIT

8. Well Name and No.

RATHERFORD UNIT 13-21

9. API Well No.

43-037-31128

10. Field and Pool, or exploratory Area

GREATER ANETH

11. County or Parish, State

SAN JUAN,

UT

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☐ Notice of Intent

☒ Subsequent Report

☐ Final Abandonment Notice

TYPE OF ACTION

☐ Abandonment

☐ Recompletion

☐ Plugging Back

☐ Casing Repair

☐ Altering Casing

☐ Other ACIDIZE

☐ Change of Plans

☐ New Construction

☐ Non-Routine Fracturing

☐ Water Shut-Off

☐ Conversion to Injection

☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

03-22-94 MIRU. POOH W/RODS TO BODY BREAK. NU BOP.

03-23-94 SET PKR AT 5356'. PUMP 2000 GALS XYLENE & DISP W/32 BBLS OIL. ACDZ PERF INTERVAL 5386-5446 W/4000 GALS 15% HCL W/ADDITIVES. SWAB.

✓ 03/24/94 REL PKR. RUN PROD EQUIP. SET SN AT 5425' AND TAC AT 5237'. LOAD HOLE & PRESS TO 500 PSI/HELD/OK. RDMO.

14. I hereby certify that the foregoing is true and correct

Signed

*D. Davis for Shirley Todd*

Title

ENV. & REG. TECHNICIAN

Date

04/04/94

(This space for Federal or State office use)

Approved by

Title

Date

*tax credit*

Conditions of approval, if any:

Division of Oil, Gas and Mining  
**OPERATOR CHANGE WORKSHEET**

Attach all documentation received by the division regarding this change.  
 Initial each listed item when completed. Write N/A if item is not applicable.

1-LEC	7-PL
2-LWP	8-SJ
3-DTS	9-FILE
4-VLC	
5-RJF	
6-LWP	

- ☐ Change of Operator (well sold)      ☐ Designation of Agent  
☐ Designation of Operator      **XXX** Operator Name Change Only

The operator of the well(s) listed below has changed (EFFECTIVE DATE: 8-2-95)

TO (new operator) **MOBIL EXPLOR & PROD**  
 (address) **C/O MOBIL OIL CORP**  
**PO DRAWER G**  
**CORTEZ CO 81321**  
 phone (303) **564-5212**  
 account no. **N7370**

FROM (former operator) **M E P N A**  
 (address) **C/O MOBIL OIL CORP**  
**PO DRAWER G**  
**CORTEZ CO 81321**  
 phone (303) **564-5212**  
 account no. **N7370**

Well(s) (attach additional page if needed):

Name: <b>** SEE ATTACHED **</b>	API: <u>037-31128</u>	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____

**OPERATOR CHANGE DOCUMENTATION**

- N/A 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form).
- N/A 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form).
- N/A 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes/no) \_\_\_\_\_ If yes, show company file number: \_\_\_\_\_.
- N/A 4. (For Indian and Federal Wells ONLY) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of **Federal and Indian** well operator changes should take place prior to completion of steps 5 through 9 below.
- lec 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. (8-3-95)
- LWP 6. Cardex file has been updated for each well listed above. 8-31-95
- LWP 7. Well file labels have been updated for each well listed above. 9-28-95
- lec 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission. (8-3-95)
- lec 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

### ENTITY REVIEW

- Lee 1. (Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) no (If entity assignments were changed, attach copies of Form 6, Entity Action Form).
- N/A 2. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

### BOND VERIFICATION (Fee wells only) *\* No Fee Lease Wells at this time!*

- N/A Lee 1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond.
- \_\_\_ 2. A copy of this form has been placed in the new and former operators' bond files.
- \_\_\_ 3. The former operator has requested a release of liability from their bond (yes/no) \_\_\_\_\_. Today's date \_\_\_\_\_ 19\_\_\_\_. If yes, division response was made by letter dated \_\_\_\_\_ 19\_\_\_\_.

### LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

- N/A 1. (Rule R615-2-10) The former operator/lessee of any **fee lease** well listed above has been notified by letter dated \_\_\_\_\_ 19\_\_\_\_, of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested.
- N/A 2. Copies of documents have been sent to State Lands for changes involving **State leases**.

### FILMING

- ✓ 1. All attachments to this form have been microfilmed. Date: October 6 19 95.

### FILING

- \_\_\_ 1. Copies of all attachments to this form have been filed in each well file.
- \_\_\_ 2. The original of this form and the original attachments have been filed in the Operator Change file.

### COMMENTS

950803 UIC F5/Not necessary!

# PHONE CONVERSATION DOCUMENTATION FORM

Route original/copy to:

☐ **Well File** \_\_\_\_\_  
 (Location) Sec \_\_\_\_\_ Twp \_\_\_\_\_ Rng \_\_\_\_\_  
 (API No.) \_\_\_\_\_

☐ **Suspense**  
 (Return Date) \_\_\_\_\_  
 (To - Initials) \_\_\_\_\_

☒ **Other**  
**OPER NM CHG** \_\_\_\_\_

1. Date of Phone Call: 8-3-95 Time: \_\_\_\_\_

2. DOGM Employee (name) L. CORDOVA (Initiated Call ☐)  
 Talked to:

Name R. J. FIRTH (Initiated Call ☒) - Phone No. ( ) \_\_\_\_\_  
 of (Company/Organization) \_\_\_\_\_

3. Topic of Conversation: M E P N A / N7370

4. Highlights of Conversation: \_\_\_\_\_

OPERATOR NAME IS BEING CHANGED FROM M E P N A (MOBIL EXPLORATION AND PRODUCING  
NORTH AMERICA INC) TO MOBIL EXPLOR & PROD. THE NAME CHANGE IS BEING DONE AT  
THIS TIME TO ALLEVIATE CONFUSION, BOTH IN HOUSE AND AMONGST THE GENERAL PUBLIC.  
\*SUPERIOR OIL COMPANY MERGED INTO M E P N A 4-24-86 (SEE ATTACHED).



**STATE OF UTAH**  
**DIVISION OF OIL, GAS AND MINING**  
 355 West North Temple, 3 Triad, Suite 350, Salt Lake City, UT 84180-1203

Page 19 of 22

## MONTHLY OIL AND GAS PRODUCTION REPORT

OPERATOR NAME AND ADDRESS:

C/O MOBIL OIL CORP  
 M E P N A  
 PO DRAWER G  
 CORTEZ CO 81321

UTAH ACCOUNT NUMBER: N7370REPORT PERIOD (MONTH/YEAR): 6 / 95AMENDED REPORT ☐ (Highlight Changes)

Well Name			Producing Zone	Well Status	Days Oper	Production Volumes		
API Number	Entity	Location				OIL(BBL)	GAS(MCF)	WATER(BBL)
RATHERFORD UNIT 20-31								
4303731050	06280	41S 24E 20	ISMY					
RATHERFORD UNIT 20-42								
4303731051	06280	41S 24E 20	DSCR					
RATHERFORD UNIT 21-11								
4303731052	06280	41S 24E 21	DSCR					
RATHERFORD UNIT 29-11								
4303731053	06280	41S 24E 29	DSCR					
RATHERFORD UNIT #18-24								
4303731079	06280	41S 24E 18	DSCR					
RATHERFORD UNIT #19-11								
4303731080	06280	41S 24E 19	DSCR					
RATHERFORD UNIT #19-44								
4303731081	06280	41S 24E 19	DSCR					
RATHERFORD UNIT #29-22								
4303731082	06280	41S 24E 29	DSCR					
RATHERFORD UNIT 12-34								
4303731126	06280	41S 23E 12	DSCR					
RATHERFORD UNIT 13-12								
4303731127	06280	41S 23E 13	DSCR					
RATHERFORD UNIT #13-21								
4303731128	06280	41S 23E 13	DSCR					
RATHERFORD UNIT #13-23								
4303731129	06280	41S 23E 13	DSCR					
RATHERFORD UNIT 13-34 (RE-ENTRY)								
4303731130	06280	41S 23E 13	DSCR					
<b>TOTALS</b>								

REMARKS:

I hereby certify that this report is true and complete to the best of my knowledge.

Date: \_\_\_\_\_

Name and Signature: \_\_\_\_\_

Telephone Number: \_\_\_\_\_

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir

Use "APPLICATION FOR PERMIT - " for such proposals

SUBMIT IN TRIPLICATE

RECEIVED

APR 1 1 1996

DIV. OF OIL, GAS & MINING

5. Lease Designation and Serial No.

14-20-603-247A

If Indian, Allottee or Tribe Name

NAVAJO TRIBAL

If Unit or CA, Agreement Designation

RATHERFORD UNIT

8. Well Name and No.

13-21

9. API Well No.

43-037-31128

10. Field and Pool, or exploratory Area

GREATER ANETH

11. County or Parish, State

SAN JUAN UT

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☒ Notice of Intent  
☐ Subsequent Report  
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☐ Other SIDETRACK  
☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

BOTTOMHOLE LOCATION

LATERAL 1 (UPPER NW) 1004' N & 1115' W OF SURFACE LOCATION

LATERAL 2 (LOWER NW) 1182' N & 923' W OF SURFACE LOCATION

LATERAL 3 (UPPER SE) 899' S & 1384' E OF SURFACE LOCATION

LATERAL 4 (LOWER SE) 1125' S & 1207' E OF SURFACE LOCATION

SEE ATTACHED PROCEDURE

14. I hereby certify that the foregoing is true and correct

Signed Shirley Robinson

Title ENV. & REG. TECHNICIAN

Date 4-8-96

(This space for Federal or State or local use)

Approved by [Signature]

Title Petroleum Engineer

Date 4/12/96

Conditions of approval, if any:

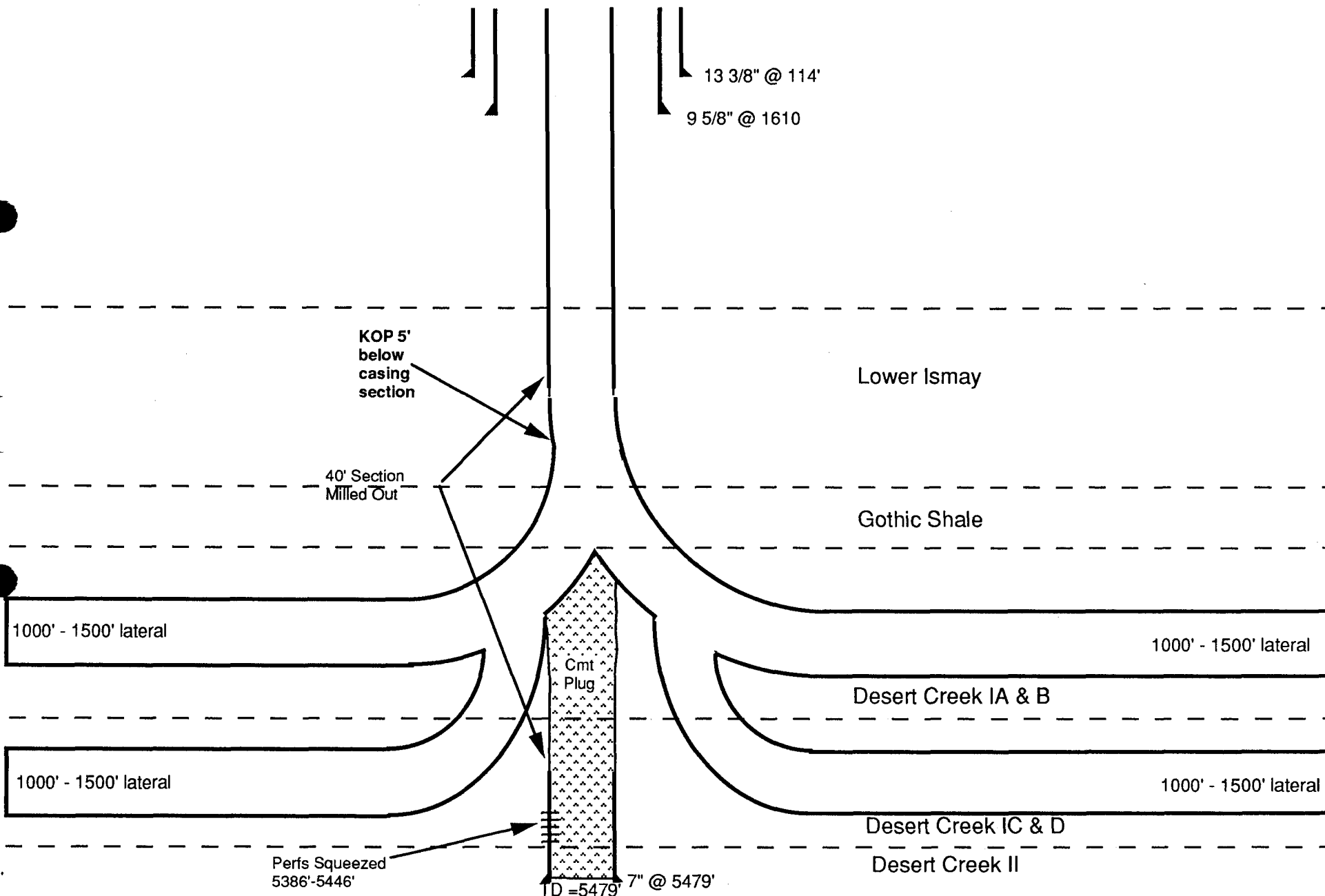
**Ratherford Unit Well No.'s**  
**11-43, 12-23, 13-12, 13-14, 13-21 & 24-41**  
**Multi-lateral Horizontal Drilling Procedure**

The objective of this procedure is to prepare this wellbore for sidetracking, sidetrack the subject well and drill a short radius horizontal well with a multiple (1,000' - 1,500') laterals.

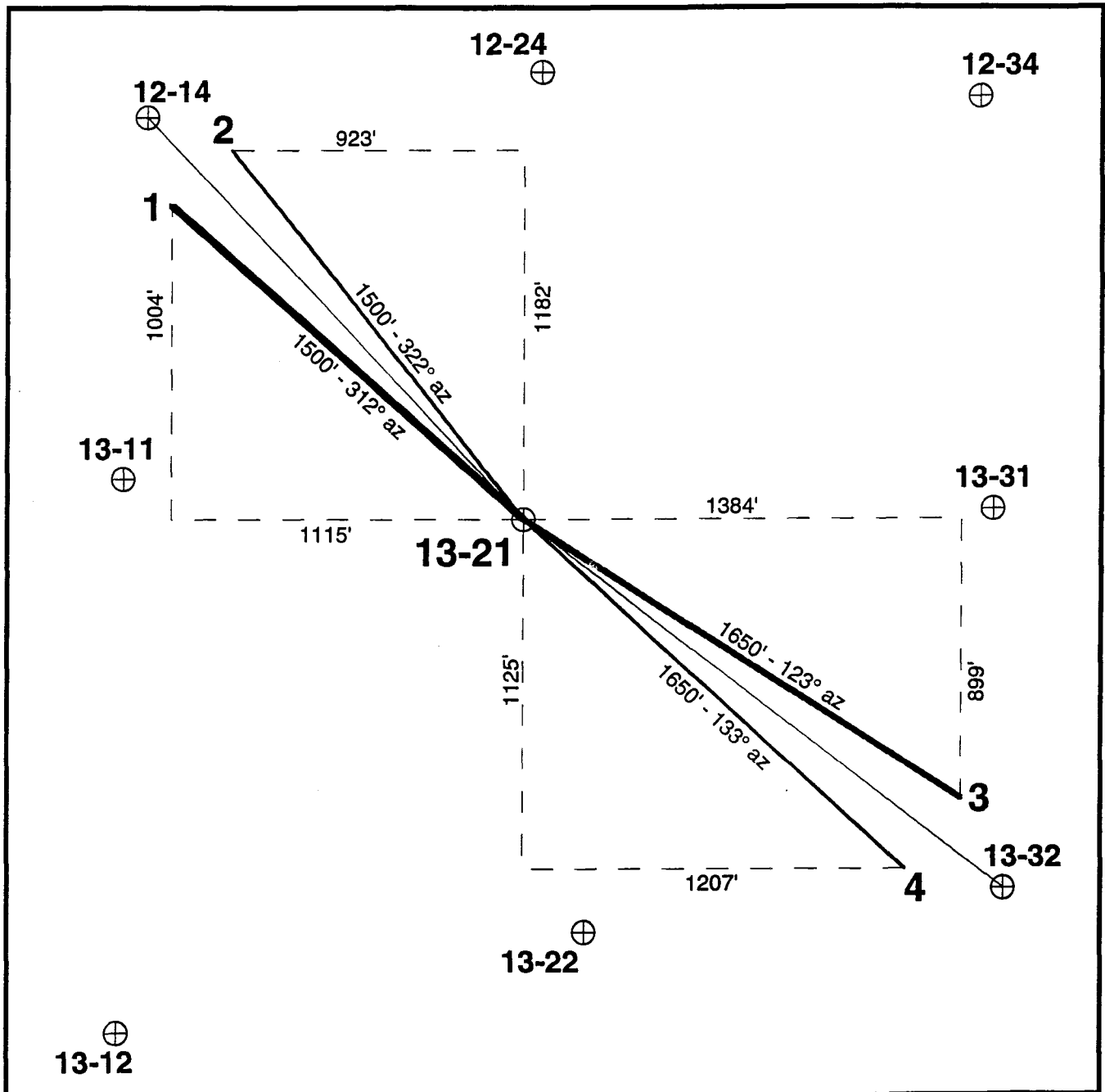
1. Prepare location and dig working pit.
2. MIRU DDPU (daylight workover rig), reverse unit and H2S equipment.
3. TOH and LD rods.
4. ND wellhead, release TAC, and NU BOPs.
5. TIH with full gauge bit and casing scraper to PBTD. TOH with bit and scraper.
6. Attempt to load hole, if hole will not load, pump LCM pills until the well will circulate. POOH.
7. TIH with 4 1/2" section mill dressed with cutter arms for casing size. Cut a 40' section with the top of the section 50' to 100' above the top of the Desert Creek Formation. Circulate the hole clean and TOH with section mill.
8. TIH with 10 jts 2 3/8" tubing on 2 7/8" DP to TD. Circulate the well until static and free of oil and gas. Spot a balanced cement kick-off plug. TOH with workstring. WOC a minimum of 12 hours.
9. TIH with bit and dress off cement plug to the kick off point (3' - 5' below the casing section). POOH.
10. Release workover rig.
11. MIRU 24 hour DDPU with drilling package.
12. PU curve drilling assembly and TIH on 2 7/8" DP to PBTD.
13. RU power swivel and wireline. Gyro survey wellbore and seat gyro in orienting sub.
14. Sidetrack wellbore using gyro orientation. Switch to Magnetic steering tool when free of magnetic interference from casing.
15. Drill curve section using steering tool for orientation. POOH and LD curve drilling motor.
16. PU lateral drilling motor and new bit.
17. TIH with lateral drilling assembly. Steer assembly as necessary with steering tool to reach target. Make bit trips as necessary. Circulate wellbore clean and POOH.

18. Drill additional laterals by sidetracking out of the original curve with a lateral motor. Steer assembly as necessary with steering tool to reach target. Make bit trips as necessary. Circulate wellbore clean and POOH.
19. Complete well as per operations Engineering.

**PROPOSED CONDITION  
RATHERFORD UNIT #13-21  
HORIZONTAL MULTILATERAL**



# Ratherford Unit 13-21 Horizontal Well Design



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir

Use "APPLICATION FOR PERMIT -" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well



Oil  
Well



Gas  
Well



Other

SIDETRACK

2. Name of Operator

Mobil Exploration & Producing U.S. Inc.  
as Agent for Mobil Producing TX & NM Inc.

3. Address and Telephone No.

P.O. Box 633, Midland, TX 79702

915-688-2585

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

600' FNL, 1920' FWL  
SEC.13, T41S, R23E

5. Lease Designation and Serial No.

14-20-603-247A

6. Indian, Allottee or Tribe Name

NAVAJO TRIBAL

Unit or CA, Agreement Designation

RATHERFORD UNIT

8. Well Name and No.

13-21

9. API Well No.

43-037-31128

10. Field and Pool, or exploratory Area

GREATER ANETH

11. County or Parish, State

SAN JUAN UT

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION



Notice of Intent



Subsequent Report



Final Abandonment Notice

TYPE OF ACTION



Abandonment



Recompletion



Plugging Back



Casing Repair



Altering Casing



Other

SIDETRACK



Change of Plans



New Construction



Non-Routine Fracturing



Water Shut-Off



Conversion to Injection



Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

BOTTOMHOLE LOCATION

LATERAL 1 (UPPER NW) 1004' N & 1115' W OF SURFACE LOCATION

LATERAL 2 (LOWER NW) 1182' N & 923' W OF SURFACE LOCATION

LATERAL 3 (UPPER SE) 899' S & 1384' E OF SURFACE LOCATION

LATERAL 4 (LOWER SE) 1125' S & 1207' E OF SURFACE LOCATION

SEE ATTACHED PROCEDURE

14. I hereby certify that the foregoing is true and correct

Signed

*Shirley Robinson*

Title ENV. & REG. TECHNICIAN

Date 4-8-96

(This space for Federal or State Office use)

Approved by

*[Signature]*

Title

*[Signature]*

Date

4/12/96

Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\* See Instruction on Reverse Side

WORKSHEET  
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 04/11/96

API NO. ASSIGNED: 43-037-31128

WELL NAME: RU 13-21 (MULTI-LEG) REENTRY  
OPERATOR: MOBIL EXPL & PROD (N7370)

PROPOSED LOCATION:

NENW 13 - T41S - R23E  
SURFACE: 0600-FNL-1920-FWL  
BOTTOM: 0404-FSL-0805-FWL  
SAN JUAN COUNTY  
GREATER ANETH FIELD (365)

LEASE TYPE: IND  
LEASE NUMBER: 14-20-603-247A

PROPOSED PRODUCING FORMATION: DSCR

INSPECT LOCATION BY: / /

TECH REVIEW	Initials	Date
Engineering		
Geology		
Surface		

RECEIVED AND/OR REVIEWED:

\_\_\_ Plat  
\_\_\_ Bond: Federal[] State[] Fee[]  
    (Number \_\_\_\_\_)  
\_\_\_ Potash (Y/N)  
\_\_\_ Oil shale (Y/N)  
\_\_\_ Water permit  
    (Number \_\_\_\_\_)  
\_\_\_ RDCC Review (Y/N)  
    (Date: \_\_\_\_\_)

LOCATION AND SITING:

✓ R649-2-3. Unit: *Ratherford.*  
\_\_\_ R649-3-2. General.  
\_\_\_ R649-3-3. Exception.  
\_\_\_ Drilling Unit.  
    Board Cause no: \_\_\_\_\_  
    Date: \_\_\_\_\_

COMMENTS:

*Reentry*

STIPULATIONS:





**State of Utah**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt  
Governor

Ted Stewart  
Executive Director

James W. Carter  
Division Director

355 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203  
801-538-5340  
801-359-3940 (Fax)  
801-538-5319 (TDD)

April 12, 1996

Mobil Exploration & Producing U.S, Inc.  
P.O. Box 633  
Midland, Texas 79702

Re: Ratherford Unit 13-21 (Re-entry) Well, 600' FNL, 1920' FWL,  
NE NW, Sec. 13, T. 41 S., R. 23 E., San Juan County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. 40-6-1 et seq., Utah Administrative Code R649-3-1 et seq., and the attached Conditions of Approval, approval to re-enter the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-037-31128.

Sincerely,

R. J. Firth  
Associate Director

lwp  
Enclosures

cc: San Juan County Assessor  
Bureau of Land Management, Moab District Office

WAPD

Operator: Mobil Exploration & Producing U.S. Inc.  
Well Name & Number: Ratherford Unit 13-21 (Re-entry)  
API Number: 43-037-31128  
Lease: 14-20-603-247A  
Location: NE NW Sec. 13 T. 41 S. R. 23 E.

### Conditions of Approval

1. General

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for Permit to Drill.

2. Notification Requirements

Notify the Division within 24 hours following spudding the well or commencing drilling operations. Contact Jimmie Thompson at (801)538-5340.

Notify the Division prior to commencing operations to plug and abandon the well. Contact Frank Matthews or Mike Hebertson at (801)538-5340.

3. Reporting Requirements

All required reports, forms and submittals shall be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

ENTITY ACTION FORM - FORM 6

OPERATOR **MOBIL EXPLORATION & PRODUCING U.S.**

OPERATOR ACCT. NO. N 7370

ADDRESS **P. O. BOX 633**

**MIDLAND, TX 79702**

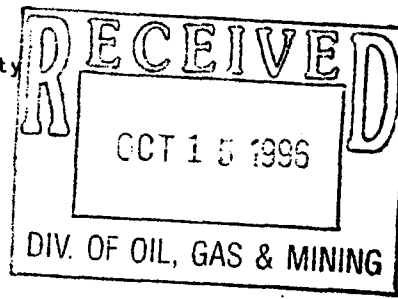
ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
11	99999	6280	43-037-31128	RATHERFORD UNIT 13-21	NENW	13	41S	23E	SAN JUAN	6-15-96	9-26-96
WELL 1 COMMENTS: <i>Entity added 10-16-96. f</i>											
WELL 2 COMMENTS:											
WELL 3 COMMENTS:											
WELL 4 COMMENTS:											
WELL 5 COMMENTS:											

ACTION CODES (See instructions on back of form)

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected.

(3/89)



*Shirley Houchins*  
Signature **SHIRLEY ROBERTSON HOUCHINS**  
ENV. & REG TECH **10-01-96**  
Title **Date**  
Phone No. **915, 688-2585**

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

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SUBMIT IN TRIPLICATE

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other **SIDETRACK**

2. Name of Operator **Mobil Exploration & Producing U.S. Inc.**  
**as Agent for Mobil Producing TX & NM Inc.**

3. Address and Telephone No.  
**P.O. Box 633, Midland, TX 79702 915-688-2585**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
**600' FNL, 1920' FWL  
SEC.13, T41S, R23E**

FORM APPROVED

Budget Bureau No. 1004-0135  
Expires: March 31, 1993

5. Lease Designation and Serial No.

**14-20-603-247A**

6. If Indian, Allottee or Tribe Name

**NAVAJO TRIBAL**

7. If Unit or CA, Agreement Designation

**RATHERFORD UNIT**

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**13-21**

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**43-037-31128**

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**GREATER ANETH**

11. County or Parish, State

**SAN JUAN UT**

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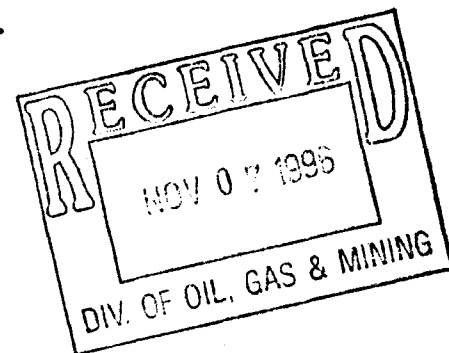
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**LATERAL #1 1125' SOUTH & 1187' EAST OF SURFACE LOCATION.  
LATERAL #2 422' SOUTH & 624' EAST OF SURFACE LOCATION.  
LATERAL #3 862' NORTH & 969' WEST OF SURFACE LOCATION.  
LATERAL #4 634' NORTH & 553' WEST OF SURFACE LOCATION.  
LATERAL #4, SIDETRACK #1, 663' NORTH & 602' WEST OF SURFACE LOCATION.**

SEE ATTACHMENTS



14. I hereby certify that the foregoing is true and correct

Signed

*Shirley Houchins*

Title

**ENV. & REG. TECHNICIAN**

Date

**10-01-96**

(This space for Federal or State office use)

Approved by

Title

Date

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\* See Instruction on Reverse Side

ATTACHMENT - FORM 3160-5  
RATHERFORD UNIT - WELL #13-21  
14-20-603-247A  
NAVAJO TRIBAL  
SAN JUAN, UTAH

06-14-96 MOVE OUT PUMPING UNIT, MIRU NWI DDPU.  
06-15-96 SET CIBP @ 5380, RIH W/TBG CIRC OUT OIL & GAS.  
06-16-96 MIRU NAVAJO WEST RIG #25, NU WELL HEAD, TEST TO  
1000#, NU BOP, NU MUD GAS SEPERATOR.  
06-17-96 RIH W/SEC. MILL, DP TO 5380', PULL TO 5270, START  
CUTTING SEC. 5270-5280'.  
06-18-96 SECTION MILL 7" CSG. TO 5288-5295.  
06-19-96 CONT. SEC. MILL 7" CSG. 5295-5302.  
06-20-96 CONT. SEC. MILL 7" CSG. 5302-5329.  
06-21-96 CONT. SEC. MILL 7" CSG. 5331-5355' TOTAL SECTION  
5270 TO 5355' (85').  
06-22-96 CLEAN OUT TO CIBP @ 5380' & CIRC WELLBORE, TIH W/OE &  
DS, SPOT KICK OFF PLUG, CMT WITH 41 SX G CMT 17#/GAL.  
06-23-96 TAG CMT @5271', DRILL CMT TO 5276, RUN GAMMA RAY CORR  
LOG, DRILL CMT TO 5316' FOUR FT ABOVE KOP, POOH FOR  
DIRECTIONAL TOOLS  
06-24-96 MIRU SDI & RUN GYRO, TIME DRILL TO 5339, THEN DRILL  
W/8000# SLIDING TO 5344'.  
06-25-96 DRILL CURVE SECTION TO 5465', SLIDE DRILL 5465-5545'.  
06-26-96 DRILL LATERAL SEC. 1, FROM 5545-6271.  
06-27-96 CONTINUE DRILLING LATERAL SEC. 1, TO 6454'.  
06-28-96 CONTINUE DRILLING LATERAL SEC. 1.  
06-29-96 CONTINUE DRILLING LATERAL SEC. 1 TO 6938'.  
06-30-96 DRILL TO TD ON LATERAL SEC. 1 @ 7055'. (5424' TVD).  
06-30-96 BEGIN SIDETRACK (LATERAL #2)  
07-01-96 TIME DRILL TO 5370', POOH & PU DIFFERENT BHA TO BUILD  
ANGLE FASTER, SIDETRACK #2.  
07-02-96 DRILLING #2 LATERAL CURVE, 5441-5500'  
07-03-96 DRILLING #2 LATERAL TO 5531.  
07-04-96 CONTINUE DRILLING LATERAL #2 5610-5877.  
07-05-96 CONTINUE SLIDE & ROTATE DRILL LATERAL #2 5877-6079.  
07-06-96 CONTINUE SLIDE & ROTATE DRILL LATERAL #2 6079-6170,  
GOING TO TVD @ 5439.  
07-07-96 CONTINUE SLIDE & ROTATE DRILL LATERAL #2 6170-6197.  
07-08-96 CONTINUE TIME DRILL KICK-OFF 5726-5765, 5705-5714,  
5696-5699.  
07-09-96 CONTINUE TIME DRILL 5696-5705, FELL OFF LEDGE IN OLD  
LATERAL, UNABLE TO SIDETRACK, FINAL LATERAL #2.  
07-10-96 TIME DRILL LATERAL #3, 5321-5358.  
07-11-96 DRILL CURVE, LATERAL #3 5358-5437'.  
07-12-96 SLIDE DRILL CURVE 5437-5544, LATERAL #3.

ATTACHMENT - FORM 3160-5  
RATHERFORD UNIT - WELL #13-21  
14-20-603-247A  
NAVAJO TRIBAL  
SAN JUAN, UTAH  
PAGE 2

07-13-96 SLIDE & ROTATE DRLG LATERAL #3 5544-5960'.  
07-14-96 CONTINUE SLIDE & ROTATE DRLG LATERAL #3 5960-6570'.  
07-15-96 CONT. DRILL LATERAL #3 5320-6622 MD (5319-5422 TVD).  
FINAL LATERAL #3.  
07-15-96 TIME DRILL LATERAL #4, 5340-5343.  
07-16-96 DRILL CURVE SECTION OF HOLE, LATERAL #4 5350-5465'.  
07-17-96 CONTINUE HORIZONTAL SECTION, LATERAL #4, 5465-5918'.  
07-18-96 CONTINUE SLIDE & ROTATE DRLG LATERAL #4 5918-6206'.  
07-19-96 LATERAL #4, SIDETRACK #1 @ 5975' & DRILL TO 6180'.  
07-20-96 DRILL AHEAD IN HORIZONTAL LEG #4 TO 6310, CIRC  
WELLBORE TO KWM, GOOD 10.4# MUD BACK TO SURFACE.  
ATTEMPT TO MOVE DP & PIPE STUCK, WORKED FREE, START  
OUT OF HOLE TO TOP OF CURVE SECTION.  
07-21-96 CIRC WELL TO 11# MUD & PULL BIT TO 5300', SHUT DOWN TO  
W/O MAT TO RAISE PIT MUD TO 11#, WELL BEGAN TO FLOW  
SWI SIDP 100# CSG 160#, CIRC INTRUSION OUT & LEFT WELL  
SHUT IN WITH 200# ON DP AND 140# CSG WHILE GATHERING  
MUD MATERIAL.  
07-22-96 MIX 11.8#/GAL BARITE MUD SYSTEM & DISPLACE HOLE W/SAME  
KILLED WELL, POOH W/DRILL ASSEM. MIRU WL & RIH W/GUIB  
WL SET PKR W/PUMP OUT PLUG INSTALLED, RIH W/DS & NOW  
POOH LD PIPE.  
07-23-96 LD DRILL PIPE, CLEAN OUT PITS & RDMO BIG A., WO/COMP.

COMPLETION

07-24-96 MIRU NAVAJO WEST RIG #36, RU PUMPS & FUNCTION TEST BOPE.  
07-25-96 TIH W/GUIBERSON OVERSHOT FOR ON/OFF TOOL/2 7/8 TBG.  
TAG & SPACE OUT, NU TBG HEAD TEST ANN TO 350 PSIG, PUMP  
OUT PLUG IN PKR. FLOW WELL TO PIT ON ADJ CK. WELL UN-  
LOADED 200 BBLs +/- W/TRACE OF OIL. SHUT WELL IN.  
07-26-96 SITP=640 PSIG. OPEN WELL FLOWED 280 BBLs, FLOW CLEAN,  
TURN WELL TO PROD. RDMOL W/RIG #36.  
07-29-96 CLEAN LOCATION & CLOSE REMAINING PITS. FINAL COMP.  
07-30-96 FINAL REPORT / WO FURTHER COMPLETION /  
08-08-96 MIRU PU & SUPPORT EQUIP. UNLOAD PH6 & 2 7/8 TBG.  
KILL WELL & NU BOP, SET UP H2S EQUIPMENT.  
08-09-96 KILL WELL W/10# BRINE, POOH WITH PROD. TBG. & PKR.  
PU & RIH W/BENT JNT. ORIENT SUB, MONEL COLL. PH6 TBG.,  
2 7/8 WS TO 5250'. SDFN  
08-10-96 RIH W/STEERING TOOL, RIH W/TBG. LATERAL #4, THEN TO  
LATERAL #4, SIDETRACK #1 TO TD OF 6311'. PULL STEERING  
TOOL, CIRC.CK. FOR CROSSFLOW, POOH INTO CSG.

ATTACHMENT - FORM 3160-5  
RATHERFORD UNIT - WELL #13-21  
14-20-603-247A  
NAVAJO TRIBAL  
SAN JUAN, UTAH  
PAGE 3

08-11-96 TIH TO 6311' (LATERAL #4, SIDETRACK #1), SPOT 6 BBLs CMT. SLURRY. POOH TO 6003'. REV. CIRC., W/10# BR @.7BPM W/100# PRESSURE ON CSG.

08-12-96 TIH, TAG CMT, PLUG @ 6080'. POOH TO 5315', ATTEMPT ENT. TO LATERAL #3, NO SUCCESS, APPEAR TO HAVE FOUND LATERAL #1. 6' INTO LATERAL #1, TOOH W/BENT JNT.

08-13-96 KILL TBG W/10# BR, RIH W/STEERING TOOL. ENT. TO LATERAL #1, PU SWIVEL & WASH TO 5416', TOOK SURVEY -- LATERAL #2, WASH TO TD @ 6197, SPOT ACID ON LATERAL.

08-14-96 TIH W/3.5 DEGREE MOTOR W/KICK PAD, ATTEMPT TO ENTER LATERAL #1, NO SUCCESS, KEPT FALLING INTO LATERAL #2.

08-15-96 RIH TO 5425' ORIENT TOOL, PULL BIT TO 5320', RIH HIT LEDGE @ 5335', UNABLE TO ENTER LATERAL #3, POOH, RIH W/STEERING TOOL.

08-16-96 ATTEMPT TO ENTER LATERAL #1 & #3 W/NO SUCCESS. POOH W/ 3 DEGREE MOTOR W/KICK PAD & 4 1/8" TAPER MILL. TIH W/KILL STRING. SDFN & SAT.

08-18-96 POOH W/KILL STRING. RIH W/BENT PH6 JNT OF TBG. LOCATE LATERAL #3. RIH TO 5502. CIRC.CLEAN. PULL TBG TO 5402'.

08-19-96 MIRU DS COIL TBG. ACIDIZE INTERVALS 6620-5780 (840') W/12,900 GALS ACID, 5700-5560' (140') 2100 GALS ACID, 5500-5540' (60') 1000 GALS ACID/TOTAL 16000 GALS 15% ACID

08-20-96 RD DC COIL TBG UT. FLOW TEST FOR 9 HRS ON 32/64" CHOKE REC. 340 BBLs ACID WTR. LAST HR 30# FTP & TRACE OF OIL ON FLOWBACK, TBG. PLUGGED.

08-21-96 RU DS COIL TBG. C/O PLUG IN TBG. FROM 5365-5374' & OH FROM 5374 TD OF 7050'. POOH W/COIL TBG. PREP TO ACID

08-22-96 ACIDIZE FROM 7030-6260 (LATERAL #1) W/12,000 GALS 15% HCL ACID, PRESS. 2700#, MAX. ANNULUS 690#. CSG ANNULUS PRESS. 400#, ISIP 600#, FLOW TO TEST TANK 40BPH W/200# FTP, APPROX 20% OIL.

08-23-96 ACIDIZE FROM 6260-5530, & 5430-5460 (LATERAL #1) W/12000 GALS 15% ACID, MAX. COIL TBG. PRESS 2900#, TBG ANNULUS 550#, CSG ANNULUS 400#. POOH W/COIL TBG. RD DS COIL TBG.

08-24-96 CONT. FLOW TEST TANK ON 32/64" CHOKE W/FTP 190# REC. APPROX. 500 BBLs. FLUID. 20% OIL CUT.

08-25-96 RU DS COIL TBG. UNIT & ACIDIZE LATERAL #2 FROM 5940-5530, 5480-5455 W/ 8,000 GALS 15% ACID. RD DS.

08-26-96 RIH W/COIL TBG. TO TD OF LATERAL #4 6205' (CT MEAS.) PULL UPHOLE W/CT & ACIDIZE LATERAL #4 FROM 5975-5440' (SIDETRACK #1 @ 5975) W/8,000 GALS 15% ACID. FLOWING TO TEST TANK.

ATTACHMENT - FORM 3160-5  
RATHERFORD UNIT - WELL #13-21  
14-20-603-247A  
NAVAJO TRIBAL  
SAN JUAN, UTAH  
PAGE 4

08-27-96 CONT. TO FLOW WELL TO TEST TANK ON 32/65" CHOKE.  
08-28-96 CONT. TO FLOW WELL. FLOWED 0 BLW, 1017 BFW, 294 BNO,  
114 MCFD, ON 3/4" CHOKE, 24 HRS. FTP FROM 140# TO 110#  
FLOWED 12 BBLS LAST HR.  
08-29-96 CONT. TO FLOW TEST WELL TO TANK BATTERY. FLOWED 0 BLW,  
758 BFW, 264 BNO, 105 MCFD ON 3/4" CHOKE IN 24 HRS.  
W/FTP FROM 100# TO 100#. FLOWED 46 BBLS. LAST HR.  
08-30-96 CONT. TO FLOW TEST TO TANK BATTERY. RIH AS FOLLOWS:  
PUMP, 1-2 7/8" X 6' TBG. SUB, 2 JNTS. 2 7/8" 8R, TBG.,  
CK VALVE, 2 JNTS. 2 7/8" TBG., DRAIN VALVE, 156 JNTS.  
2 7/8" TBG. (#4 ROUND WIRE & USED 4 SS BANDS PER  
STANDS.) NU 7 1/16" X 3000 FLANGE W/7" NIPPLE. NU  
HUBER WELLHD. SET SLIPS. LAND TBG. AT 5126' (WINDOW  
AT 5270'). RELEASE TO PRODUCTION.  
08-31-96 RD & REL NWI RIG #36 & RELEASE WELL TO PRODUCTION.



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE

FORM APPROVED  
OMB NO. 1004-0137  
Expires: February 28, 1995

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG\*

1a. TYPE OF WELL: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input type="checkbox"/> Other <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. 14-20-603-247A					
b. TYPE OF COMPLETION: NEW WELL <input type="checkbox"/> WORK OVER <input type="checkbox"/> DEEP-EN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> Other <input type="checkbox"/> SIDETRACK		6. IF INDIAN, ALLOTTEE OR TRIBE NAME NAVAJO TRIBAL					
2. NAME OF OPERATOR Mobil Exploration & Producing U.S. Inc. as Agent for Mobil Producing TX & NM Inc.		7. UNIT AGREEMENT NAME RATHERFORD UNIT					
3. ADDRESS AND TELEPHONE NO. P.O. Box 633, Midland, TX 79702 (915) 688-2585		8. FARM OR LEASE NAME, WELL NO. RATHERFORD 13-21					
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 600' FNL, 1920' FWL (NENW) At top prod. interval reported below  At total depth 1125' FSL & 1187' FEL (LAT #1)		9. API WELL NO. 43-037-31128					
14. PERMIT NO.		DATE ISSUED 04-11-96					
15. DATE SPUNDED 06-15-96		16. DATE T.D. REACHED 07-23-96					
17. DATE COMPL. (Ready to prod.) 08-31-96		18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* GR 4607.7, RKB 4620.7					
20. TOTAL DEPTH, MD & TVD * #37		21. PLUG, BACK T.D., MD & TVD * #37					
22. IF MULTIPLE COMPL., HOW MANY* NO		23. INTERVALS DRILLED BY ROTARY TOOLS <input checked="" type="checkbox"/> CABLE TOOLS <input type="checkbox"/>					
24. PRODUCING INTERVAL(S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)* * #37 LATERAL #1 (5250-7055 MD) (5249-5424 TVD),		25. WAS DIRECTIONAL SURVEY MADE YES					
26. TYPE ELECTRIC AND OTHER LOGS RUN GAMMA RAY CORR LOG		27. WAS WELL CORED NO					
28. CASING RECORD (Report all strings set in well)							
CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED		
13 3/8	48#	114'	18"	150 SX CIRC TO SURFACE			
9 5/8	36#	1600'	12 1/4	600 SX CIRC TO SURFACE			
7	23#	5479'	8 3/4	850 SX			
29. LINER RECORD				30. TUBING RECORD			
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2 7/8	5126'	
31. PERFORATION RECORD (Interval, size and number) 5250-7055 TMD (5249-5424 TVD)				32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.			
				DEPTH INTERVAL (MD)		AMOUNT AND KIND OF MATERIAL USED	
				5380		SET CIBP	
				5380-5271		CMT KOP W/41 SX G CMT 17#GAL	
				6311'		SPOT 6 BBLS CMT SLURRY	
				***		CONTINUED # 37	
33.* PRODUCTION							
DATE FIRST PRODUCTION 8-31-96		PRODUCTION METHOD (Flowing, gas lift, pumping - size and type of pump) 2 1/2" X 2" X 24' PUMP				WELL STATUS (Producing or shut-in) PRODUCING	
DATE OF TEST 9-26-96	HOURS TESTED 24	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL - BBL 687	GAS - MCF 238	WATER - BBL 1716	GAS - OIL RATIO 346
FLOW. TUBING PRESS. 135	CASING PRESSURE 177	CALCULATED 24-HOUR RATE	OIL - BBL	GAS - MCF	WATER - BBL	OIL GRAVITY - API (CORR.)	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)						TEST WITNESSED BY	
35. LIST OF ATTACHMENTS DIRECTIONAL SURVEY REPORT							
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records							
SIGNED <u>Shirley Houchens</u>		TITLE <u>ENV. &amp; REG. TECHNICIAN</u>				DATE <u>10-01-1996</u>	

\*(See Instructions and Spaces for Additional Data on Reverse Side)

SPERRY-SUN DRILLING SERVICES  
SURVEY DATA

Platform ... : CA-MJ-60125  
Slot/Well .. : 1 /R. UNIT #13-21 LEG 1

MEASURED DEPTH	ANGLE DEG	DIRECTION DEG	TVD	NORTHINGS FEET	EASTINGS FEET	VERTICAL SECTION	DOG LEG
5250.00	0.31	297.94	5249.63	25.32 N	38.14 W	-45.16	0.00
5316.00	1.60	113.80	5315.62	25.03 N	37.46 W	-44.47	2.89
5326.00	5.50	119.00	5325.60	24.74 N	36.91 W	-43.87	39.09
5336.00	10.80	129.30	5335.50	23.92 N	35.76 W	-42.47	54.77
5346.00	16.60	132.60	5345.21	22.36 N	33.99 W	-40.10	58.50
5356.00	23.70	134.20	5354.59	19.98 N	31.49 W	-36.66	71.21
5366.00	29.90	127.40	5363.51	17.07 N	28.06 W	-32.16	69.08
5376.00	35.60	124.00	5371.92	13.92 N	23.67 W	-26.80	59.87
5386.00	42.10	122.00	5379.71	10.51 N	18.41 W	-20.63	66.19
5396.00	48.90	120.50	5386.71	6.82 N	12.31 W	-13.65	68.83
5406.00	55.50	118.70	5392.84	2.93 N	5.44 W	-5.97	67.51
5421.00	65.70	121.30	5400.19	3.61 S	5.85 E	6.74	69.65
5439.00	77.70	125.00	5405.84	12.95 S	20.12 E	23.55	69.45
5455.23	87.60	128.50	5407.91	22.58 S	33.00 E	39.53	64.63
5465.00	90.00	129.80	5408.11	28.74 S	40.57 E	49.27	27.94
5486.62	88.00	132.10	5408.49	42.91 S	56.90 E	70.87	14.10
5517.13	87.20	134.80	5409.77	63.87 S	79.02 E	101.35	9.22
5548.14	86.20	138.00	5411.56	86.29 S	100.37 E	132.25	10.79
5577.95	87.50	141.70	5413.19	109.03 S	119.56 E	161.80	13.14
5608.13	90.20	144.60	5413.80	133.17 S	137.65 E	191.50	13.13
5639.22	90.00	142.70	5413.75	158.21 S	156.08 E	222.05	6.15
5670.59	89.30	141.80	5413.94	183.02 S	175.28 E	253.01	3.63
5702.47	88.80	141.60	5414.47	208.03 S	195.04 E	284.52	1.69
5733.70	90.70	138.90	5414.60	232.04 S	215.01 E	315.49	10.57
5761.90	86.60	134.80	5415.27	252.60 S	234.28 E	343.61	20.56
5793.66	89.00	134.70	5416.49	274.94 S	256.81 E	375.33	7.56
5824.56	85.70	132.00	5417.91	296.12 S	279.25 E	406.19	13.79
5855.28	87.50	132.80	5419.74	316.80 S	301.90 E	436.85	6.41
5886.78	89.40	133.70	5420.59	338.38 S	324.83 E	468.34	6.67
5918.08	89.70	134.70	5420.83	360.20 S	347.27 E	499.63	3.34
5948.13	89.10	135.20	5421.15	381.42 S	368.54 E	529.66	2.60
5978.65	89.20	133.30	5421.60	402.72 S	390.39 E	560.17	6.23
6009.85	90.20	131.70	5421.76	423.79 S	413.40 E	591.37	6.05
6040.87	90.70	131.30	5421.52	444.35 S	436.63 E	622.37	2.06
6071.83	91.80	132.40	5420.85	465.00 S	459.68 E	653.32	5.02
6102.83	91.00	132.00	5420.09	485.82 S	482.64 E	684.31	2.89
6132.48	91.70	131.50	5419.39	505.55 S	504.76 E	713.94	2.90
6163.86	91.40	131.10	5418.54	526.26 S	528.32 E	745.30	1.59
6194.42	91.20	131.30	5417.85	546.38 S	551.31 E	775.83	0.93
6225.66	89.50	132.20	5417.66	567.18 S	574.61 E	807.06	6.16

SPERRY-SUN DRILLING SERVICES  
SURVEY DATA

Platform ... : CA-MJ-60125  
Slot/Well .. : 1 /R. UNIT #13-21 LEG 1

MEASURED DEPTH	ANGLE DEG	DIRECTION DEG	TVD	NORTHINGS FEET	EASTINGS FEET	VERTICAL SECTION	DOG LEG
6255.41	90.80	131.90	5417.58	587.11 S	596.71 E	836.81	4.48
6286.85	91.70	132.60	5416.89	608.24 S	619.97 E	868.24	3.63
6317.94	91.40	133.60	5416.05	629.48 S	642.66 E	899.32	3.36
6347.11	90.90	133.60	5415.47	649.59 S	663.78 E	928.48	1.71
6377.36	88.80	133.30	5415.55	670.39 S	685.74 E	958.73	7.01
6408.66	89.20	133.30	5416.09	691.85 S	708.52 E	990.02	1.28
6439.91	90.10	133.60	5416.28	713.34 S	731.21 E	1021.27	3.04
6471.78	89.10	133.40	5416.51	735.28 S	754.32 E	1053.14	3.20
6503.12	88.10	133.40	5417.27	756.81 S	777.09 E	1084.47	3.19
6534.52	86.70	132.70	5418.70	778.22 S	800.01 E	1115.83	4.98
6551.00	86.70	132.90	5419.64	789.40 S	812.08 E	1132.29	1.21
6566.02	85.80	133.90	5420.63	799.70 S	822.97 E	1147.27	8.95
6597.08	87.50	132.00	5422.44	820.82 S	845.66 E	1178.28	8.20
6626.70	89.40	130.50	5423.24	840.34 S	867.92 E	1207.87	8.17
6655.67	91.20	131.40	5423.09	859.33 S	889.80 E	1236.82	6.95
6686.68	90.20	131.20	5422.71	879.79 S	913.10 E	1267.81	3.29
6718.01	88.50	130.60	5423.07	900.30 S	936.77 E	1299.12	5.75
6748.01	87.30	130.80	5424.17	919.85 S	959.50 E	1329.07	4.06
6778.32	86.40	131.30	5425.83	939.73 S	982.33 E	1359.32	3.40
6809.54	88.20	130.10	5427.30	960.06 S	1005.97 E	1390.48	6.93
6839.79	88.00	129.60	5428.31	979.43 S	1029.18 E	1420.67	1.78
6870.56	89.90	131.10	5428.87	999.35 S	1052.62 E	1451.40	7.87
6900.93	90.40	132.00	5428.79	1019.50 S	1075.35 E	1481.76	3.39
6930.84	90.30	132.20	5428.61	1039.55 S	1097.54 E	1511.66	0.75
6961.49	92.20	133.70	5427.94	1060.42 S	1119.97 E	1542.30	7.90
6992.28	91.80	133.90	5426.86	1081.72 S	1142.18 E	1573.07	1.45
7023.00	92.00	134.00	5425.85	1103.03 S	1164.28 E	1603.77	0.73
* 7055.00	92.00	134.00	5424.73	1125.25 S	1187.29 E	1635.74	0.00

THE DOGLEG SEVERITY IS IN DEGREES PER 100.00 FEET.  
N/E COORDINATE VALUES GIVEN RELATIVE TO WELL SYSTEM REFERENCE POINT.  
TVD COORDINATE VALUES GIVEN RELATIVE TO WELL SYSTEM REFERENCE POINT.  
THE VERTICAL SECTION ORIGIN IS WELL HEAD.  
THE VERTICAL SECTION WAS COMPUTED ALONG 133.00 (TRUE).  
CALCULATION METHOD: MINIMUM CURVATURE.

\* Bit Projection

SPERRY-SUN DRILLING SERVICES  
SURVEY DATA

Platform ... : CA-HJ-60125

Slot/Well .. : 1 /R.U.#13-21 LEG 2

MEASURED DEPTH	ANGLE DEG	DIRECTION DEG	TVD	NORTHINGS FEET	EASTINGS FEET	VERTICAL SECTION	DOG LEG
5250.00	0.31	297.94	5249.63	25.32 N	38.14 W	-45.78	0.00
5316.00	1.60	113.80	5315.62	25.03 N	37.46 W	-45.05	2.89
5326.00	5.50	119.00	5325.60	24.74 N	36.91 W	-44.43	39.09
5336.00	10.80	129.30	5335.50	23.92 N	35.76 W	-43.02	54.77
5346.00	16.60	132.60	5345.21	22.36 N	33.99 W	-40.68	58.50
5356.00	16.80	137.70	5354.79	20.32 N	31.96 W	-37.87	14.79
5366.00	16.10	129.80	5364.38	18.36 N	29.92 W	-35.10	23.42
5376.00	19.60	119.20	5373.90	16.66 N	27.39 W	-32.04	47.63
5386.00	24.20	110.20	5383.18	15.13 N	24.00 W	-28.37	56.82
5396.00	28.60	106.00	5392.13	13.76 N	19.78 W	-24.08	47.77
5406.00	33.00	106.10	5400.72	12.35 N	14.86 W	-19.18	44.00
5411.00	35.00	106.80	5404.87	11.55 N	12.17 W	-16.50	40.76
5416.00	37.30	106.90	5408.90	10.70 N	9.35 W	-13.67	46.02
5425.58	42.20	105.80	5416.27	8.98 N	3.47 W	-7.80	51.67
5435.00	46.90	106.10	5422.98	7.16 N	2.88 E	-1.49	49.94
5445.00	53.30	109.30	5429.39	4.82 N	10.18 E	5.91	68.53
5455.00	60.20	112.80	5434.87	1.81 N	17.97 E	14.09	74.94
5470.00	70.70	117.70	5441.10	4.02 S	30.28 E	27.58	76.02
5485.00	83.70	121.30	5444.41	11.22 S	42.97 E	42.15	89.76
5500.00	91.90	123.90	5444.99	19.29 S	55.59 E	57.13	57.34
5509.60	92.70	124.30	5444.60	24.66 S	63.53 E	66.72	9.32
5540.62	91.40	125.40	5443.49	42.38 S	88.97 E	97.70	5.49
5570.43	89.80	124.00	5443.18	59.35 S	113.48 E	127.49	7.13
5600.58	88.50	122.20	5443.63	75.81 S	138.73 E	157.64	7.36
5631.68	89.20	124.50	5444.25	92.90 S	164.70 E	188.73	7.73
5663.05	91.10	126.10	5444.17	111.03 S	190.30 E	220.07	7.92
5694.93	91.70	126.50	5443.39	129.89 S	215.99 E	251.89	2.26
5726.16	92.80	127.20	5442.17	148.61 S	240.96 E	283.02	4.17
5756.86	91.80	126.90	5440.94	167.09 S	265.44 E	313.62	3.40
5788.60	89.00	126.00	5440.71	185.95 S	290.97 E	345.30	9.27
5819.50	89.10	125.70	5441.23	204.04 S	316.01 E	376.16	1.02
5847.70	88.60	125.30	5441.79	220.41 S	338.96 E	404.32	2.27
5879.21	89.30	125.30	5442.37	238.62 S	364.68 E	435.80	2.22
5910.51	90.40	127.80	5442.45	257.26 S	389.82 E	467.04	8.73
5940.75	89.60	127.30	5442.45	275.69 S	413.79 E	497.18	3.12
5971.07	90.20	124.80	5442.50	293.53 S	438.30 E	527.46	8.48
6002.10	91.10	124.50	5442.15	311.17 S	463.83 E	558.47	3.06
6033.06	89.80	123.90	5441.91	328.57 S	489.43 E	589.43	4.62
6072.02	86.90	126.00	5443.03	350.87 S	521.35 E	628.34	9.19
6103.02	89.10	125.70	5444.11	369.02 S	546.46 E	659.28	7.16

SPERRY-SUN DRILLING SERVICES  
SURVEY DATA

Platform ... : CA-MJ-60125  
Slot/Well .. : 1 /R.U.#13-21 LEG 2

MEASURED DEPTH	ANGLE DEG	DIRECTION DEG	TVD	NORTHINGS FEET	EASTINGS FEET	VERTICAL SECTION	DOG LEG
6134.26	89.60	124.60	5444.47	387.00 S	572.00 E	690.50	3.87
6164.81	88.60	123.50	5444.95	404.11 S	597.31 E	721.04	4.87
* 6196.81	91.10	123.50	5445.03	421.77 S	623.99 E	753.03	7.81

THE DOGLEG SEVERITY IS IN DEGREES PER 100.00 FEET.  
N/E COORDINATE VALUES GIVEN RELATIVE TO WELL SYSTEM REFERENCE POINT.  
TVD COORDINATE VALUES GIVEN RELATIVE TO WELL SYSTEM REFERENCE POINT.  
THE VERTICAL SECTION ORIGIN IS WELL HEAD.  
THE VERTICAL SECTION WAS COMPUTED ALONG 123.00 (TRUE).  
CALCULATION METHOD: MINIMUM CURVATURE.

\* Bit Projection

SPERRY-SUN DRILLING SERVICES  
SURVEY DATA

Platform ... : CA-MJ-60125

Slot/Well .. : 1 /R.U.#13-21 LEG 3

MEASURED DEPTH	ANGLE DEG	DIRECTION DEG	TVD	NORTHINGS FEET	EASTINGS FEET	VERTICAL SECTION	DOG LEG
5250.00	0.31	297.94	5249.63	25.32 N	38.14 W	45.29	0.00
5316.00	1.60	113.80	5315.62	25.03 N	37.46 W	44.59	2.89
5320.00	1.00	284.31	5319.62	25.02 N	37.44 W	44.56	64.79
5330.00	6.30	286.20	5329.60	25.19 N	38.05 W	45.13	53.01
5340.00	12.80	288.00	5339.45	25.69 N	39.63 W	46.64	65.06
5350.00	20.20	289.90	5349.04	26.62 N	42.31 W	49.26	74.19
5360.00	27.50	291.70	5358.18	28.06 N	46.09 W	53.03	73.35
5370.00	35.10	299.30	5366.72	30.33 N	50.75 W	58.01	85.51
5380.00	42.30	304.40	5374.52	33.64 N	56.04 W	64.16	78.69
5390.00	50.30	305.90	5381.42	37.81 N	61.94 W	71.33	80.73
5400.00	58.90	307.00	5387.21	42.65 N	68.49 W	79.44	86.46
5410.00	67.00	310.60	5391.75	48.23 N	75.42 W	88.32	87.10
5415.00	70.30	313.40	5393.58	51.35 N	78.88 W	92.97	84.11
5420.00	73.00	315.10	5395.15	54.66 N	82.27 W	97.72	62.91
5430.00	79.50	320.20	5397.53	61.83 N	88.81 W	107.37	81.71
5441.00	84.60	325.30	5399.05	70.50 N	95.40 W	118.07	65.24
5451.67	85.70	324.30	5399.95	79.19 N	101.52 W	128.43	13.91
5482.05	87.30	321.40	5401.81	103.35 N	119.83 W	158.21	10.89
5513.08	89.60	319.10	5402.65	127.20 N	139.67 W	188.91	10.48
5542.89	88.90	315.50	5403.04	149.10 N	159.88 W	218.58	12.30
5573.05	86.50	315.10	5404.25	170.52 N	181.07 W	248.66	8.07
5604.14	89.00	315.00	5405.47	192.51 N	203.02 W	279.68	8.05
5635.51	88.10	315.40	5406.26	214.76 N	225.12 W	310.99	3.14
5667.39	89.20	315.00	5407.01	237.37 N	247.57 W	342.82	3.67
5698.62	88.90	314.40	5407.53	259.34 N	269.77 W	374.01	2.15
5729.34	87.60	311.70	5408.47	280.29 N	292.20 W	404.70	9.75
5760.00	85.60	309.60	5410.29	300.23 N	315.42 W	435.30	9.45
5792.00	89.30	309.90	5411.71	320.67 N	340.00 W	467.24	11.60
5822.60	88.70	309.30	5412.24	340.17 N	363.57 W	497.80	2.77
5854.00	89.20	309.90	5412.82	360.18 N	387.76 W	529.17	2.49
5885.62	88.90	310.80	5413.34	380.65 N	411.85 W	560.77	3.00
5913.82	84.60	308.70	5414.94	398.65 N	433.49 W	588.90	16.96
5944.61	88.10	307.70	5416.90	417.65 N	457.64 W	619.55	11.82
5976.09	91.20	308.30	5417.09	437.03 N	482.44 W	650.95	10.03
6007.38	91.70	307.70	5416.30	456.29 N	507.09 W	682.15	2.50
6037.42	93.30	307.70	5414.99	474.64 N	530.83 W	712.08	5.33
6068.44	92.40	308.70	5413.45	493.80 N	555.18 W	742.99	4.33
6099.39	90.80	309.00	5412.58	513.20 N	579.27 W	773.88	5.26
6129.93	89.60	309.60	5412.48	532.55 N	602.91 W	804.39	4.39
6161.12	89.80	310.60	5412.64	552.64 N	626.76 W	835.56	3.27

SPERRY-SUN DRILLING SERVICES  
SURVEY DATA

Platform ... : CA-MJ-60125  
Slot/Well .. : 1 /R.U.#13-21 LEG 3

MEASURED DEPTH	ANGLE DEG	DIRECTION DEG	TVD	NORTHINGS FEET	EASTINGS FEET	VERTICAL SECTION	DOG LEG
6192.11	89.00	310.70	5412.97	572.82 N	650.27 W	866.54	2.60
6223.34	89.40	311.50	5413.40	593.35 N	673.80 W	897.76	2.86
6253.89	89.70	311.70	5413.64	613.63 N	696.65 W	928.31	1.18
6283.54	89.90	312.40	5413.75	633.49 N	718.67 W	957.96	2.46
6313.27	91.10	313.00	5413.49	653.65 N	740.51 W	987.69	4.51
6344.75	88.40	312.80	5413.62	675.08 N	763.57 W	1019.16	8.60
6375.83	87.80	312.40	5414.65	696.10 N	786.44 W	1050.22	2.32
6405.00	88.20	312.30	5415.67	715.74 N	807.98 W	1079.37	1.41
6435.45	87.70	312.30	5416.76	736.22 N	830.49 W	1109.80	1.64
6466.74	88.00	312.10	5417.94	757.23 N	853.65 W	1141.07	1.15
6497.99	88.70	313.30	5418.83	778.41 N	876.61 W	1172.30	4.44
6529.87	88.40	312.70	5419.64	800.14 N	899.92 W	1204.17	2.10
6561.21	88.10	312.10	5420.60	821.27 N	923.05 W	1235.49	2.14
6592.61	87.90	312.10	5421.69	842.30 N	946.33 W	1266.87	0.64
* 6622.61	89.00	312.00	5422.51	862.39 N	968.60 W	1296.86	3.68

THE DOGLEG SEVERITY IS IN DEGREES PER 100.00 FEET.  
N/E COORDINATE VALUES GIVEN RELATIVE TO WELL SYSTEM REFERENCE POINT.  
TVD COORDINATE VALUES GIVEN RELATIVE TO WELL SYSTEM REFERENCE POINT.  
THE VERTICAL SECTION ORIGIN IS WELL HEAD.  
THE VERTICAL SECTION WAS COMPUTED ALONG 312.00 (TRUE).  
CALCULATION METHOD: MINIMUM CURVATURE.

\* Bit Projection

SPERRY-SUN DRILLING SERVICES  
SURVEY DATA

Platform ... : CA-MJ-60125

Slot/Well .. : 1 /R.U.#13-21 LEG 4

MEASURED DEPTH	ANGLE DEG	DIRECTION DEG	TVD	NORTHINGS FEET	EASTINGS FEET	VERTICAL SECTION	DOG LEG
5250.00	0.31	297.94	5249.63	25.32 N	38.14 W	43.44	0.00
5316.00	1.60	113.80	5315.62	25.03 N	37.46 W	42.79	2.89
5320.00	1.00	284.31	5319.62	25.02 N	37.44 W	42.76	64.79
5329.00	6.30	284.10	5328.60	25.16 N	37.99 W	43.22	58.89
5340.00	9.10	285.00	5339.50	25.53 N	39.42 W	44.39	25.48
5350.00	8.90	285.70	5349.38	25.94 N	40.93 W	45.64	2.28
5360.00	15.60	285.40	5359.14	26.51 N	42.97 W	47.35	67.00
5370.00	22.30	286.10	5368.60	27.40 N	46.09 W	49.97	67.04
5380.00	29.00	286.80	5377.61	28.62 N	50.24 W	53.49	67.07
5390.00	36.40	287.50	5386.02	30.22 N	55.40 W	57.92	74.10
5400.00	44.10	288.20	5393.64	32.20 N	61.54 W	63.27	77.13
5410.00	51.70	288.90	5400.34	34.56 N	68.57 W	69.45	76.18
5420.00	59.40	289.60	5405.99	37.28 N	76.35 W	76.38	77.22
5430.00	67.70	290.30	5410.44	40.34 N	84.76 W	83.97	83.24
5437.00	72.70	291.00	5412.81	42.66 N	90.92 W	89.59	72.05
5445.00	78.70	291.00	5414.79	45.43 N	98.15 W	96.23	75.00
5455.00	86.60	291.20	5416.07	49.00 N	107.40 W	104.74	79.02
5465.00	92.80	294.40	5416.12	52.88 N	116.61 W	113.46	69.76
5486.89	93.70	296.20	5414.88	62.21 N	136.37 W	132.98	9.18
5517.89	93.10	301.10	5413.04	77.05 N	163.52 W	161.39	15.90
5549.12	91.70	309.40	5411.73	95.04 N	188.98 W	191.24	26.93
5580.80	89.60	317.80	5411.37	116.87 N	211.89 W	222.55	27.33
5612.15	89.70	319.70	5411.56	140.43 N	232.56 W	253.84	6.07
5642.45	89.60	319.60	5411.75	163.53 N	252.18 W	284.12	0.47
5672.38	89.40	319.20	5412.01	186.25 N	271.66 W	314.02	1.49
5703.75	89.30	318.40	5412.36	209.85 N	292.32 W	345.33	2.57
5735.42	86.90	317.80	5413.41	233.41 N	313.46 W	376.91	7.81
5763.96	89.40	318.90	5414.33	254.72 N	332.41 W	405.38	9.57
5794.89	88.40	318.80	5414.93	278.01 N	352.76 W	436.25	3.25
5826.07	86.90	319.10	5416.21	301.50 N	373.22 W	467.36	4.91
5857.22	90.00	322.90	5417.05	325.69 N	392.81 W	498.49	15.74
5888.57	88.50	325.70	5417.46	351.15 N	411.10 W	529.80	10.13
5919.40	87.60	327.20	5418.51	376.82 N	428.13 W	560.52	5.67
5949.46	88.10	326.80	5419.64	402.02 N	444.49 W	590.45	2.13
5979.16	89.00	330.60	5420.39	427.38 N	459.91 W	619.93	13.14
6009.88	93.00	332.40	5419.85	454.37 N	474.56 W	650.22	14.28
6041.30	93.10	335.80	5418.18	482.59 N	488.26 W	680.89	10.81
6072.53	93.30	336.40	5416.44	511.09 N	500.90 W	711.13	2.02
6102.12	90.20	337.30	5415.53	538.29 N	512.52 W	739.72	10.91
6131.12	91.40	338.30	5415.13	565.13 N	523.48 W	767.62	5.39



SPERRY-SUN DRILLING SERVICES  
SURVEY DATA

Platform ... : CA-MJ-60125  
Slot/Well .. : 1 /R.U.#13-21 LEG 4

MEASURED DEPTH	ANGLE DEG	DIRECTION DEG	TVD	NORTHINGS FEET	EASTINGS FEET	VERTICAL SECTION	DOG LEG
6161.65	89.80	336.20	5414.81	593.28 N	535.28 W	797.07	8.65
* 6206.00	89.00	336.20	5415.27	633.86 N	553.18 W	840.06	1.80

THE DOGLEG SEVERITY IS IN DEGREES PER 100.00 FEET.  
N/E COORDINATE VALUES GIVEN RELATIVE TO WELL SYSTEM REFERENCE POINT.  
TVD COORDINATE VALUES GIVEN RELATIVE TO WELL SYSTEM REFERENCE POINT.  
THE VERTICAL SECTION ORIGIN IS WELL HEAD.  
THE VERTICAL SECTION WAS COMPUTED ALONG 322.00 (TRUE).  
CALCULATION METHOD: MINIMUM CURVATURE.

\* Bit Projection

SPERRY-SUN DRILLING SERVICES  
SURVEY DATA

Platform ... : CA-MJ-60125

Slot/Well .. : 1 /#13-21 LEG 4 ST1

MEASURED DEPTH	ANGLE DEG	DIRECTION DEG	TVD	NORTHINGS FEET	EASTINGS FEET	VERTICAL SECTION	DOG LEG
5250.00	0.31	297.94	5249.63	25.32 N	38.14 W	43.44	0.00
5316.00	1.60	113.80	5315.62	25.03 N	37.46 W	42.79	2.89
5320.00	1.00	284.31	5319.62	25.02 N	37.44 W	42.76	64.79
5329.00	6.30	284.10	5328.60	25.16 N	37.99 W	43.22	58.89
5340.00	9.10	285.00	5339.50	25.53 N	39.42 W	44.39	25.48
5350.00	8.90	285.70	5349.38	25.94 N	40.93 W	45.64	2.28
5360.00	15.60	285.40	5359.14	26.51 N	42.97 W	47.35	67.00
5370.00	22.30	286.10	5368.60	27.40 N	46.09 W	49.97	67.04
5380.00	29.00	286.80	5377.61	28.62 N	50.24 W	53.49	67.07
5390.00	36.40	287.50	5386.02	30.22 N	55.40 W	57.92	74.10
5400.00	44.10	288.20	5393.64	32.20 N	61.54 W	63.27	77.13
5410.00	51.70	288.90	5400.34	34.56 N	68.57 W	69.45	76.18
5420.00	59.40	289.60	5405.99	37.28 N	76.35 W	76.38	77.22
5430.00	67.70	290.30	5410.44	40.34 N	84.76 W	83.97	83.24
5437.00	72.70	291.00	5412.81	42.66 N	90.92 W	89.59	72.05
5445.00	78.70	291.00	5414.79	45.43 N	98.15 W	96.23	75.00
5455.00	86.60	291.20	5416.07	49.00 N	107.40 W	104.74	79.02
5465.00	92.80	294.40	5416.12	52.88 N	116.61 W	113.46	69.76
5486.89	93.70	296.20	5414.88	62.21 N	136.37 W	132.98	9.18
5517.89	93.10	301.10	5413.04	77.05 N	163.52 W	161.39	15.90
5549.12	91.70	309.40	5411.73	95.04 N	188.98 W	191.24	26.93
5580.80	89.60	317.80	5411.37	116.87 N	211.89 W	222.55	27.33
5612.15	89.70	319.70	5411.56	140.43 N	232.56 W	253.84	6.07
5642.45	89.60	319.60	5411.75	163.53 N	252.18 W	284.12	0.47
5672.38	89.40	319.20	5412.01	186.25 N	271.66 W	314.02	1.49
5703.75	89.30	318.40	5412.36	209.85 N	292.32 W	345.33	2.57
5735.42	86.90	317.80	5413.41	233.41 N	313.46 W	376.91	7.81
5763.96	89.40	318.90	5414.33	254.72 N	332.41 W	405.38	9.57
5794.89	88.40	318.80	5414.93	278.01 N	352.76 W	436.25	3.25
5826.07	86.90	319.10	5416.21	301.50 N	373.22 W	467.36	4.91
5857.22	90.00	322.90	5417.05	325.69 N	392.81 W	498.49	15.74
5888.57	88.50	325.70	5417.46	351.15 N	411.10 W	529.80	10.13
5919.40	87.60	327.20	5418.51	376.82 N	428.13 W	560.52	5.67
5949.46	88.10	326.80	5419.64	402.02 N	444.49 W	590.45	2.13
5975.00	86.90	326.11	5420.75	423.28 N	458.59 W	615.88	5.42
6009.89	87.20	327.70	5422.55	452.47 N	477.61 W	650.60	4.64
6041.11	88.40	328.30	5423.75	478.93 N	494.14 W	681.62	4.30
6072.33	88.10	328.30	5424.70	505.48 N	510.54 W	712.64	0.96
6102.13	88.80	329.20	5425.51	530.94 N	525.99 W	742.22	3.83
6131.13	91.50	329.90	5425.43	555.94 N	540.69 W	770.97	9.62

SPERRY-SUN DRILLING SERVICES  
SURVEY DATA

Platform ... : CA-HJ-60125  
Slot/Well .. : 1 /#13-21 LEG 4 ST1

MEASURED DEPTH	ANGLE DEG	DIRECTION DEG	TVD	NORTHINGS FEET	EASTINGS FEET	VERTICAL SECTION	DOG LEG
6161.67	90.60	330.80	5424.87	582.48 N	555.79 W	801.18	4.17
6193.04	86.40	330.60	5425.69	609.82 N	571.14 W	832.17	13.40
6224.25	85.70	330.80	5427.84	636.97 N	586.38 W	862.95	2.33
6254.85	88.40	327.70	5429.42	663.23 N	602.00 W	893.26	13.42

THE DOGLEG SEVERITY IS IN DEGREES PER 100.00 FEET.  
N/E COORDINATE VALUES GIVEN RELATIVE TO WELL SYSTEM REFERENCE POINT.  
TVD COORDINATE VALUES GIVEN RELATIVE TO WELL HEAD.  
THE VERTICAL SECTION ORIGIN IS WELL HEAD.  
THE VERTICAL SECTION WAS COMPUTED ALONG 322.00 (TRUE).  
CALCULATION METHOD: MINIMUM CURVATURE.

**ExxonMobil Production Comp**

U.S. West

P.O. Box 4358

Houston, Texas 77210-4358

June 27, 2001

**ExxonMobil**  
*Production*

Mr. Jim Thompson  
State of Utah, Division of Oil, Gas and Mining  
1549 West North Temple  
Suite 1210  
Salt Lake City, UT 84114-5801

Change of Name – Mobil Oil Corporation to  
ExxonMobil Oil Corporation

Dear Mr. Thompson

Effective June 1, 2001, Mobil Oil Corporation (MOC) changed its name to ExxonMobil Oil Corporation (EMOC). This was a name change only; EMOC is the same corporation as Mobil Oil Corporation, but with a new name. No facility or other asset was transferred from one corporation to another by virtue of the name change. Specifically, EMOC will remain the owner and operator of its existing exploration and production oil and gas properties and facilities, as well as relevant permits.

There is no change to the name of Exxon Mobil Corporation, the ultimate shareholder of EMOC.

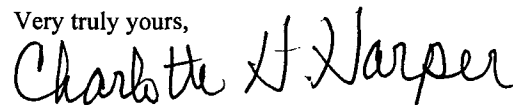
Please note the change of name of MOC to ExxonMobil Oil Corporation in your records pertaining to any MOC permits.

The Federal Identification Number for MOC (13-5401570) will remain the same for EMOC.

A copy of the Certification, Bond Rider and a list of wells are attached.

If you have any questions please feel free to call Joel Talavera at 713-431-1010

Very truly yours,



Charlotte H. Harper  
Permitting Supervisor

ExxonMobil Production Company  
a division of Exxon Mobil Corporation,  
acting for ExxonMobil Oil Corporation

RECEIVED

JUN 29 2001

DIVISION OF  
OIL, GAS AND MINING



IN REPLY REFER TO:

# United States Department of the Interior

BUREAU OF INDIAN AFFAIRS

Navajo Area Office

NAVAJO REGION

P.O. Box 1060

Gallup, New Mexico 87305-1060

AUG 30 2001

RRES/543

## CERTIFIED MAIL - RETURN RECEIPT REQUESTED

Charlotte H. Harper, Permitting Supervisor  
Exxon Mobil Production Company  
U. S. West  
P. O. Box 4358  
Houston, TX 77210-4358

Dear Ms. Harper:

This is to acknowledge receipt of your company's name change from Mobil Oil Corporation to ExxonMobil Oil Corporation effective June 1, 2001. The receipt of documents includes the Name Change Certification, current listing of Officers and Directors, Listing of Leases, Financial Statement, filing fees of \$75.00 and a copy of the Rider for Bond Number 8027 31 97. There are no other changes.

Please note that we will provide copies of these documents to other concerned parties. If you need further assistance, you may contact Ms. Bertha Spencer, Realty Specialist, at (928) 871-5938.

Sincerely,

DENNETT DENETSONE

Regional Realty Officer

cc: BLM, Farmington Field Office w/enclosures ✓  
Navajo Nation Minerals Office, Attn: Mr. Akhtar Zaman, Director/w enclosures

MINERAL RESOURCES	
ADM 1	<i>DB/MC</i>
NATV AM MIN COORD	
SOLID MIN TEAM	
PETRO MIN TEAM <i>2</i>	
O & G INSPECT TEAM	
ALL TEAM LEADERS	
LAND RESOURCES	
ENVIRONMENT	
FILES	

**ExxonMobil Production Company**  
U.S. West  
P.O. Box 4358  
Houston, Texas 77210-4358

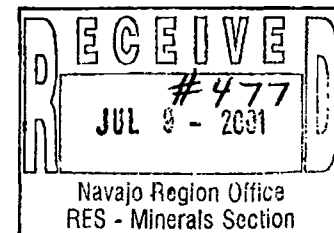
*AS 7/12/01*  
*SN*  
*543*  
*File*

June 27, 2001

**ExxonMobil**  
Production

Certified Mail  
Return Receipt Requested

Ms. Genni Denetsone  
United States Department of the Interior  
Bureau of Indian Affairs, Navajo Region  
Real Estate Services  
P. O. Box 1060  
Gallup, New Mexico 87305-1060  
Mail Code 543



Change of Name -  
Mobil Oil Corporation to  
ExxonMobil Oil Corporation

Dear Ms. Denetsone:

Effective June 1, 2001, Mobil Oil Corporation (MOC) changed its name to ExxonMobil Oil Corporation (EMOC). This was a name change only; EMOC is the same corporation as Mobil Oil Corporation, but with a new name. No facility or other asset was transferred from one corporation to another by virtue of the name change. Specifically, EMOC will remain the owner and operator of its existing exploration and production oil and gas properties and facilities, as well as relevant permits.

There is no change to the name of Exxon Mobil Corporation, the ultimate shareholder of EMOC.

Please note the change of name of MOC to ExxonMobil Oil Corporation in your records pertaining to any MOC permits.

The Federal Identification Number for MOC (13-5401570) will remain the same for EMOC.

Attached is the Name Change Certification, Current listing of Officers and Directors, Filing Fee of \$75/-. Listing of Leases, Financial Statement and a copy of the Rider for Bond number 8027 31 97. The original Bond Rider has been sent to Ms. Barbar Davis at your Washington Office.

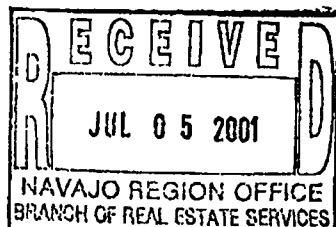
If you have any questions, please contact Alex Correa at (713) 431-1012.

Very truly yours,

*Charlotte H. Harper*

Charlotte H. Harper  
Permitting Supervisor

Attachments



ExxonMobil Production Company  
a division of Exxon Mobil Corporation,  
acting for ExxonMobil Oil Corporation

*NOTE: Check forwarded to Ella Issa.*

Bureau of Indian Affairs  
Navajo Region Office  
Attn: RRES - Mineral and Mining Section  
P.O. Box 1060  
Gallup, New Mexico 87305-1060

Gentlemen:

The current listing of officers and director of ExxonMobil Oil Corporation (Name of Corporation), of New York (State) is as follows:

#### OFFICERS

President	<u>F.A. Risch</u>	Address <u>5959 Las Colinas Blvd. Irving, TX 75039</u>
Vice President	<u>K.T. Koonce</u>	Address <u>800 Bell Street Houston, TX 77002</u>
Secretary	<u>F.L. Reid</u>	Address <u>5959 Las Colinas Blvd. Irving, TX 75039</u>
Treasure	<u>B.A. Maher</u>	Address <u>5959 Las Colinas Blvd. Irving, TX 75039</u>

#### DIRECTORS

Name	<u>D.D. Humphreys</u>	Address <u>5959 Las Colinas Blvd. Irving, TX 75039</u>
Name	<u>P.A. Hanson</u>	Address <u>5959 Las Colinas Blvd. Irving, TX 75039</u>
Name	<u>T.P. Townsend</u>	Address <u>5959 Las Colinas Blvd. Irving, TX 75039</u>
Name	<u>B.A. Maher</u>	Address <u>5959 Las Colinas Blvd. Irving, TX 75039</u>
Name	<u>F.A. Risch</u>	Address <u>5959 Las Colinas Blvd. Irving, TX 75039</u>


Sincerely,



Alex Correa

This is to certify that the above information pertaining to ExxonMobil Oil Corporation (Corporation) is true and correct as evidenced by the records and accounts covering business for the State of Utah and in the custody of Corporation Service Company (Agent), Phone: 1 (800) 927-9800, whose business address is One Utah Center, 201 South Main Street, Salt Lake City, Utah 84111-2218



  
Signature  
AGENT AND ATTORNEY IN FACT  
Title

SAL

**CERTIFICATION**

I, the undersigned Assistant Secretary of ExxonMobil Oil Corporation. (formerly Mobil Oil Corporation), a corporation organized and existing under the laws of the State of New York, United States of America, DO HEREBY CERTIFY, That, the following is a true and exact copy of the resolutions adopted by the Board of Directors on May 22, 2001:

**CHANGE OF COMPANY NAME**

WHEREAS, the undersigned Directors of the Corporation deem it to be in the best interest of the Corporation to amend the Certificate of Incorporation of the Corporation to change the name and principal office of the Corporation:

NOW THEREFORE BE IT RESOLVED, That Article 1st relating to the corporate name is hereby amended to read as follows:

"1st The corporate name of said Company shall be,

ExxonMobil Oil Corporation",

FURTHER RESOLVED, That the amendment of the Corporation's Certificate of Incorporation referred to in the preceding resolutions be submitted to the sole shareholder of the Corporation entitled to vote thereon for its approval and, if such shareholder gives its written consent, pursuant to Section 803 of the Business Corporation Law of the State of New York, approving such amendment, the proper officers of the Corporation be, and they hereby are, authorized to execute in the name of the Corporation the Certificate of Amendment of Certificate of Incorporation, in the form attached hereto;

FURTHER RESOLVED, That the proper officers of the Corporation be and they hereby are authorized and directed to deliver, file and record in its behalf, the Certificate of Amendment of Certificate of Incorporation, and to take such action as may be deemed necessary or advisable to confirm and make effective in all respects the change of this Company's name to EXXONMOBIL OIL CORPORATION.

WITNESS, my hand and the seal of the Corporation at Irving, Texas, this 8th day of June, 2001.

S. A. Milligan  
Assistant Secretary

COUNTY OF DALLAS )  
STATE OF TEXAS )  
UNITED STATES OF AMERICA )

Sworn to and subscribed before me at Irving, Texas, U. S. A. on this the 8th day of June, 2001.

Janice M. Phillips  
Notary Public





**LISTING OF LEASES OF MOBIL OIL CORPORATION****Lease Number**

- 1) 14-20-0603-6504
- 2) 14-20-0603-6505
- 3) 14-20-0603-6506
- 4) 14-20-0603-6508
- 5) 14-20-0603-6509
- 6) 14-20-0603-6510
- 7) 14-20-0603-7171
- 8) 14-20-0603-7172A
- 9) 14-20-600-3530
- 10) 14-20-603-359
- 11) 14-20-603-368
- 12) 14-20-603-370
- 13) 14-20-603-370A
- 14) 14-20-603-372
- 15) 14-20-603-372A
- 16) 14-20-603-4495
- 17) 14-20-603-5447
- 18) 14-20-603-5448
- 19) 14-20-603-5449
- 20) 14-20-603-5450
- 21) 14-20-603-5451

6/1/01

**CHUBB GROUP OF INSURANCE COMPANIES**

One Chubb Center, Suite 1900, Houston, Texas 77027-3501  
Tel: (713) 297-4600 • Fax: (713) 297-4750

*NW Bond*

**FEDERAL INSURANCE COMPANY RIDER**  
to be attached to and form a part of

**BOND NO 8027 31 97**

wherein

**Mobil Oil Corporation and Mobil Exploration and Producing U.S., Inc. is**  
named as Principal and

**FEDERAL INSURANCE COMPANY AS SURETY,**

in favor of **United States of America, Department of the Interior**  
**Bureau of Indian Affairs**

in the amount of **\$150,000.00**

bond date: 11/01/65

IT IS HEREBY UNDERSTOOD AND AGREED THAT effective June 1, 2001  
the name of the Principal is changed

FROM: **Mobil Oil Corporation and Mobil Exploration and Producing U.S., Inc.**

TO : **ExxonMobil Oil Corporation**

All other terms and conditions of this Bond are unchanged.

Signed, sealed and dated this 12<sup>th</sup> of June, 2001.

**ExxonMobil Oil Corporation**

By :



**FEDERAL INSURANCE COMPANY**

By:



Mary Pierson, Attorney-in-fact

**Chubb  
Surety****POWER  
OF  
ATTORNEY****Federal Insurance Company  
Vigilant Insurance Company  
Pacific Indemnity Company****Attn.: Surety Department  
15 Mountain View Road  
Warren, NJ 07059**

Know All by These Presents, That **FEDERAL INSURANCE COMPANY**, an Indiana corporation, **VIGILANT INSURANCE COMPANY**, a New York corporation, and **PACIFIC INDEMNITY COMPANY**, a Wisconsin corporation, do each hereby constitute and appoint **R.F. Bobo**,  
**Mary Pierson**, **Philana Berros**, and **Jody E. Specht** of **Houston, Texas**-----

each as their true and lawful Attorney-in-Fact to execute under such designation in their names and to affix their corporate seals to and deliver for and on their behalf as surety thereon or otherwise, bonds and undertakings and other writings obligatory in the nature thereof (other than bail bonds) given or executed in the course of business, and any instruments amending or altering the same, and consents to the modification or alteration of any instrument referred to in said bonds or obligations.

In Witness Whereof, said **FEDERAL INSURANCE COMPANY**, **VIGILANT INSURANCE COMPANY**, and **PACIFIC INDEMNITY COMPANY** have each executed and attested these presents and affixed their corporate seals on this 10th day of May, 2001.

Kenneth C. Wendel  
 Kenneth C. Wendel, Assistant Secretary

Frank E. Robertson  
 Frank E. Robertson, Vice President

STATE OF NEW JERSEY } ss.  
 County of Somerset

On this 10th day of May, 2001, before me, a Notary Public of New Jersey, personally came Kenneth C. Wendel, to me known to be Assistant Secretary of **FEDERAL INSURANCE COMPANY**, **VIGILANT INSURANCE COMPANY**, and **PACIFIC INDEMNITY COMPANY**, the companies which executed the foregoing Power of Attorney, and the said Kenneth C. Wendel being by me duly sworn, did depose and say that he is Assistant Secretary of **FEDERAL INSURANCE COMPANY**, **VIGILANT INSURANCE COMPANY**, and **PACIFIC INDEMNITY COMPANY** and knows the corporate seals thereof, that the seals affixed to the foregoing Power of Attorney are such corporate seals and were thereto affixed by authority of the By-Laws of said Companies; and that he signed said Power of Attorney as Assistant Secretary of said Companies by like authority; and that he is acquainted with Frank E. Robertson, and knows him to be Vice President of said Companies; and that the signature of Frank E. Robertson, subscribed to said Power of Attorney is in the genuine handwriting of Frank E. Robertson, and was thereto subscribed by authority of said Companies in the presence of me.



Notary Public State of New Jersey  
 No. 2231647

Commission Expires Oct 28, 2004

Karen Price  
 Notary Public

Extract from the By-Laws of **FEDERAL INSURANCE COMPANY**, **VIGILANT INSURANCE COMPANY**, and **PACIFIC INDEMNITY COMPANY**:

"All powers of attorney for and on behalf of the Company may and shall be executed in the name and on behalf of the Company, either by the Chairman or the President or a Vice President or an Assistant Vice President, jointly with the Secretary or an Assistant Secretary, under their respective designations. The signature of such officers may be engraved, printed or lithographed. The signature of each of the following officers: Chairman, President, any Vice President, any Assistant Vice President, any Secretary, any Assistant Secretary and the seal of the Company may be affixed by facsimile to any power of attorney or to any certificate relating thereto appointing Assistant Secretaries or Attorneys-in-Fact for purposes only of executing and attesting bonds and undertakings and other writings obligatory in the nature thereof, and any such power of attorney or certificate bearing such facsimile signature or facsimile seal shall be valid and binding upon the Company and any such power so executed and certified by such facsimile signature and facsimile seal shall be valid and binding upon the Company with respect to any bond or undertaking to which it is attached."

I, Kenneth C. Wendel, Assistant Secretary of **FEDERAL INSURANCE COMPANY**, **VIGILANT INSURANCE COMPANY**, and **PACIFIC INDEMNITY COMPANY** (the "Companies") do hereby certify that

- (i) the foregoing extract of the By-Laws of the Companies is true and correct,
- (ii) the Companies are duly licensed and authorized to transact surety business in all 50 of the United States of America and the District of Columbia and are authorized by the U. S. Treasury Department; further, Federal and Vigilant are licensed in Puerto Rico and the U. S. Virgin Islands, and Federal is licensed in American Samoa, Guam, and each of the Provinces of Canada except Prince Edward Island; and
- (iii) the foregoing Power of Attorney is true, correct and in full force and effect.

Given under my hand and seals of said Companies at Warren, NJ this 12th day of June, 2001



Kenneth C. Wendel  
 Kenneth C. Wendel, Assistant Secretary

IN THE EVENT YOU WISH TO NOTIFY US OF A CLAIM, VERIFY THE AUTHENTICITY OF THIS BOND OR NOTIFY US OF ANY OTHER MATTER, PLEASE CONTACT US AT ADDRESS LISTED ABOVE, OR BY  
 Telephone (908) 903-3485 Fax (908) 903-3656 e-mail: surety@chubb.com

CSC

5184334741

06/01 '01 08:46 NO.410 03/05

CSC

06/01 '01 09:06 NO.135 02/04

F010601000187

CERTIFICATE OF AMENDMENT  
OF  
CERTIFICATE OF INCORPORATION  
OF  
MOBIL OIL CORPORATION

CSC 45

(Under Section 805 of the Business Corporation Law)

Pursuant to the provisions of Section 805 of the Business Corporation Law, the undersigned President and Secretary, respectively, of Mobil Oil Corporation hereby certify:

**FIRST:** That the name of the corporation is MOBIL OIL CORPORATION and that said corporation was incorporated under the name of Standard Oil Company of New York.

**SECOND:** That the Certificate of Incorporation of the corporation was filed by the Department of State, Albany, New York, on the 10th day of August, 1882.

**THIRD:** That the amendments to the Certificate of Incorporation effected by this Certificate are as follows:

(a) Article 1st of the Certificate of Incorporation, relating to the corporate name, is hereby amended to read as follows:

"1st The corporate name of said Company shall be,  
ExxonMobil Oil Corporation",

(b) Article 7th of the Certificate of Incorporation, relating to the office of the corporation is hereby amended to read as follows:

The office of the corporation within the State of New York is to be located in the County of Albany. The Company shall have offices at such other places as the Board of Directors may from time to time determine.

CSC  
CSC

5184334741

06/01 '01 08:47 NO.410 04/05  
06/01 '01 09:06 NO.152 03/04

FOURTH: That the amendments to the Certificate of Incorporation were authorized by the Board of Directors followed by the holder of all outstanding shares entitled to vote on amendments to the Certificate of Incorporation by written consent of the sole shareholder dated May 22, 2001.

IN WITNESS WHEREOF, this Certificate has been signed this 22nd Day of May, 2001.

  
\_\_\_\_\_  
F. A. Risch, President

STATE OF TEXAS           )  
COUNTY OF DALLAS       )

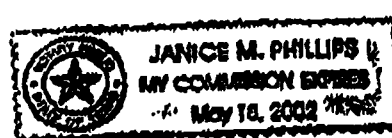
F. L. REID, being duly sworn, deposes and says that he is the Secretary of MOBIL OIL CORPORATION, the corporation mentioned and described in the foregoing instrument; that he has read and signed the same and that the statements contained therein are true.

  
\_\_\_\_\_  
F. L. REID, Secretary

SUBSCRIBED AND SWORN TO before me, the undersigned authority, on this the 22nd day of May, 2001.

[SEAL]

  
\_\_\_\_\_  
NOTARY PUBLIC, STATE OF TEXAS



=&gt; CSC

.TEL=5184334741

06/01'01 08:19

CSC  
CSC

5184334741

06/01 '01 09:01 NO. 411 02/02  
06/01 '01 09:06 NO. 132 04/04

F010601000187

CSC 45

## CERTIFICATE OF AMENDMENT

OF

MOBIL OIL CORPORATION

Under Section 805 of the Business Corporation Law

100 cc  
STATE OF NEW YORK  
DEPARTMENT OF STATEFiled by: EXXONMOBIL CORPORATION

FILED JUN 01 2001

(Name)

TAX \$

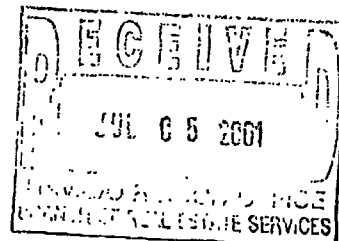
5959 Las Colinas Blvd.BY: SAC

(Mailing address)

Irving, TX 75039-2298

(City, State and Zip code)

Cust Ref # 1655781MPJ



010601000195

=&gt; CSC

TEL=5184334741

06/01'01 08:19

State of New York }  
Department of State } ss:

*I hereby certify that the annexed copy has been compared with the original document in the custody of the Secretary of State and that the same is a true copy of said original.*

Witness my hand and seal of the Department of State on **JUN 01 2001**



*Special Deputy Secretary of State*

## OPERATOR CHANGE WORKSHEET

## ROUTING

1. GLH

2. CDW ✓

3. FILE

Change of Operator (Well Sold)

Designation of Agent

**X** Operator Name Change

Merger

The operator of the well(s) listed below has changed, effective: **06-01-2001**

<b>FROM:</b> (Old Operator):	<b>TO:</b> (New Operator):
MOBIL EXPLORATION & PRODUCTION	EXXONMOBIL OIL CORPORATION
Address: P O BOX DRAWER "G"	Address: U S WEST P O BOX 4358
CORTEZ, CO 81321	HOUSTON, TX 77210-4358
Phone: 1-(970)-564-5212	Phone: 1-(713)-431-1010
Account No. N7370	Account No. N1855

CA No. Unit: **RATHERFORD**

## WELL(S)

NAME	SEC TWN RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
RATHERFORD UNIT 1-34	01-41S-23E	43-037-16385	6280	INDIAN	OW	P
RATHERFORD UNIT 1-14	01-41S-23E	43-037-31162	6280	INDIAN	OW	P
RATHERFORD 11-41	11-41S-23E	43-037-31544	6280	INDIAN	OW	P
RATHERFORD UNIT 11-43	11-41S-23E	43-037-31622	6280	INDIAN	OW	P
12-14	12-41S-23E	43-037-15844	6280	INDIAN	OW	P
RATHERFORD UNIT 12-23 (MULTI-LEG)	12-41S-23E	43-037-15846	6280	INDIAN	OW	P
RATHERFORD UNIT 12-34	12-41S-23E	43-037-31126	6280	INDIAN	OW	P
RATHERFORD UNIT 12-12	12-41S-23E	43-037-31190	6280	INDIAN	OW	P
RATHERFORD UNIT 12-21	12-41S-23E	43-037-31201	6280	INDIAN	OW	P
RATHERFORD UNIT 12-43	12-41S-23E	43-037-31202	6280	INDIAN	OW	P
RATHERFORD UNIT 12-32	12-41S-23E	43-037-31203	6280	INDIAN	OW	P
RATHERFORD UNIT 13-41	13-41S-23E	43-037-15856	6280	INDIAN	OW	P
N DESERT CR 32-13 (13-32)	13-41S-23E	43-037-16406	6280	INDIAN	OW	S
RATHERFORD UNIT 13-12	13-41S-23E	43-037-31127	6280	INDIAN	OW	P
RATHERFORD UNIT 13-21	13-41S-23E	43-037-31128	6280	INDIAN	OW	P
RATHERFORD UNIT 13-23	13-41S-23E	43-037-31129	6280	INDIAN	OW	P
RATHERFORD UNIT 13-34 (RE-ENTRY)	13-41S-23E	43-037-31130	6280	INDIAN	OW	P
RATHERFORD UNIT 13-43	13-41S-23E	43-037-31131	6280	INDIAN	OW	P
RATHERFORD UNIT 13-14	13-41S-23E	43-037-31589	6280	INDIAN	OW	P
14-32	14-41S-23E	43-037-15858	6280	INDIAN	OW	P

## OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 06/29/2001
2. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 06/29/2001
3. The new company has been checked through the **Department of Commerce, Division of Corporations Database** on: 04/09/2002
4. Is the new operator registered in the State of Utah: YES Business Number: 579865-0143
5. If **NO**, the operator was contacted on: N/A



6. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BIA-06/01/01

7. **Federal and Indian Units:**

The BLM or BIA has approved the successor of unit operator for wells listed on: 06/01/2001

8. **Federal and Indian Communization Agreements ("CA"):**

The BLM or BIA has approved the operator for all wells listed within a CA on: N/A

9. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: N/A

**DATA ENTRY:**

1. Changes entered in the **Oil and Gas Database** on: 04/12/2002
2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 04/12/2002
3. Bond information entered in RBDMS on: N/A
4. Fee wells attached to bond in RBDMS on: N/A

**STATE WELL(S) BOND VERIFICATION:**

1. State well(s) covered by Bond Number: N/A

**FEDERAL WELL(S) BOND VERIFICATION:**

1. Federal well(s) covered by Bond Number: N/A

**INDIAN WELL(S) BOND VERIFICATION:**

1. Indian well(s) covered by Bond Number: 80273197

**FEE WELL(S) BOND VERIFICATION:**

1. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number N/A
2. The **FORMER** operator has requested a release of liability from their bond on: N/A  
The Division sent response by letter on: N/A

**LEASE INTEREST OWNER NOTIFICATION:**

3. (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: N/A

**COMMENTS:**

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STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL ☒ GAS WELL ☐ OTHER \_\_\_\_\_

2. NAME OF OPERATOR:  
EXXONMOBIL OIL CORPORATION

3. ADDRESS OF OPERATOR: P.O. BOX 4358 CITY HOUSTON STATE TX ZIP 77210-4358 PHONE NUMBER: (281) 654-1946

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 660 FNL 1920 FWL

COUNTY: SAN JUAN

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NENW 13 41S 23E S

STATE: UTAH

5. LEASE DESIGNATION AND SERIAL NUMBER:  
1420603247A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:  
SHIP ROCK

7. UNIT or CA AGREEMENT NAME:  
UTU68931A

8. WELL NAME and NUMBER:  
RATHERFORD UNIT 13-21

9. API NUMBER:  
4303731128

10. FIELD AND POOL, OR WILDCAT:  
ANETH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input checked="" type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

P&A Procedure For Ratherford Unit 13-21

1. MIRU WSU. Bleed off pressure. Kill well as necessary. ND tree and NU/Test BOPE.
2. POOH laying down kill string. MI and rack 2500' of 2 7/8" workstring.
3. PU and RIH with 6 1/8" bit to top of fish at 2500'. Circulate fill out as needed. POH with bit.
4. RIH with CICR on 2 7/8" workstring. Set CICR @ 2450'. Establish injection below CICR with freshwater.
5. MIRU BJ Services cementing equipment. Squeeze 475 sx of Class H cement below retainer. (15.8 ppg density and 1.15 cu ft/sk yield) Latch out of retainer and spot 28 sx cement (150') on top of retainer (2300'-2450') PUH and reverse workstring clear.
6. Wait on cement. RIH and tag cement. Circulate wellbore with 10 ppg mud.
7. POOH with workstring. Lay down excess workstring.
8. MIRU WLSU. Perforate 7" casing from 1650'-1651' with 4 spf (8 holes). PU and RIH with 7" CICR on workstring. Set CICR @ 1600'. Establish circulation between 7" x 9 5/8" annulus.

NOTE: If unable to circulate to surface between 7" x 9 5/8" annulus, skip down to step 9a below. Otherwise, continue with step 9.

-CONTINUED ON ADDITIONAL SHEET-

NAME (PLEASE PRINT) MARK BOLTON TITLE SR. REGULATORY SPECIALIST  
SIGNATURE *Mark Bolton* DATE 10/24/2005

(This space for State use only)

Accepted by the  
Utah Division of  
Oil, Gas and Mining

Approval Of This  
Action Is Necessary

RECEIVED  
OCT 28 2005

DIV. OF OIL, GAS & MINING

9. Establish circulation and pump 210 sx Type III cement (14.6 ppg and 1.37 cf/sk yield) between the 7" x 9 5/8" casing strings. Once good cement arrives at surface, latch out of the CICR and fill the remaining casing to within 10' of the surface with 250 sx Type III cement (14.6 ppg and 1.37 cf/sk yield). Lay down workstring as needed to spot cement.
10. ND BOPE and wellhead. PU and RIH with a 7" mechanical casing cutter on 1 joint of workstring. Cut 7" casing 6' below ground level. PU and lay down mechanical cutter and wellhead.
11. Top fill all casing strings with cement.
12. Weld steel cap with marker with the required information across the casing stub.
13. Clean location and RDMO WSU.
14. Complete the required location reclamation.

9a. Establish injection and squeeze 60 sx Type III cement (14.6 ppg and 1.37 cf/sk yield) below retainer. Latch out of retainer and spot 47 sx cement (300') on top of retainer (1300'-1600') PUH and reverse workstring clear.

9b. MIRU WLSU. Perforate 7" casing from 165'-166' with 4 spf (8 holes). PU and RIH with 7" CICR on workstring. Set CICR @ 115'. Establish circulation between 7" x 9 5/8" annulus.

9c. Establish circulation and pump 28 sx Type III cement (14.6 ppg and 1.37 cf/sk yield) between the 7" x 9 5/8" casing strings. Once good cement arrives at surface, latch out of the CICR and fill the remaining casing to within 10' of the surface with 18 sx Type III cement (14.6 ppg and 1.37 cf/sk yield). Lay down workstring as needed to spot cement.

Continue with Step 10 above.

RECEIVED

OCT 28 2005

DIV. OF OIL, GAS & MINING

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0137  
Expires: March 31, 2007

**SUNDRY NOTICES AND REPORTS ON WELLS**

**Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.**

**SUBMIT IN TRIPLICATE- Other instructions on reverse side.**

1. Type of Well  
☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator **Exxon Mobil Oil Corporation**

3a. Address  
**P.O. Box 4358, Houston, TX 77210-4358**

3b. Phone No. (include area code)  
**281-654-1936**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
**NE/NW, 0660' FNL & 1920' FWL, Sec 13, T41S, R21E**

5. Lease Serial No.

**14-20-603-247A**

6. If Indian, Allottee or Tribe Name

**Ship Rock**

7. If Unit or CA/Agreement, Name and/or No.

**UTU68931A**

8. Well Name and No.

**Ratherford 13-21**

9. API Well No.

**43-037-31128-01-S1**

10. Field and Pool, or Exploratory Area

**Aneth**

11. County or Parish, State

**San Juan County, UT**

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input checked="" type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

**Performed cement squeeze on casing leaks and temporarily set CICR until well can be evaluated by new operator. Well transfers June 1, 2006.**

**10/05/05 MIRU WSU Key 61, bled well down, well flowing, attempt to top kill by pumping 30 bbls 16.5 KWF, pump 5 bbls down tbg, SI 80 # on well, pump 30 more down csg, another 5 down tbg.**

**10/06/05 Bled well off, SITP, SICP 200#, pump 30 bbls down csg, 5 bbls down tbg, well dead. ND tree, NUBOP, test BOP good. POOH w/ only 28 jts, found tbg had parted. PU RIH w/ 30 jts for KS.**

**10/07/05 Pump 20 bbls down csg 2 bbls 16# KWF, POOH w/ KS, PU OS 5.75 OD, RIH tagged w/ 62nd jt at 1925', recover 6 jts, RIH tagged 2124', recover no fish, RIH tagged at 2124', worked fish down to 2183' POOH. Well started to flow, SI, pump 5 bbls down csg, well still flowing, ran out of KWF. WO KF, pump 10 bbls down csg, well dead, RIH with 20 stds for KS.**

**10/08/05 Bled well down, pump 15 bbls 16 # KWF, well dead. POOH w KS, recovered 8 jts fish, PU RIH w/ overshot for collar, tagged fish at 2399', POOH with no fish. CO grapples for upset, RIH, hang up at 1015', worked fish through tight spot, tagged at 2400', work rotate kept pulling off the fish, POOH SB 5 stds.**

\*\*\*\*\* Continued on Page 3 \*\*\*\*\*

14. I hereby certify that the foregoing is true and correct  
Name (Printed/Typed)

**Tiffany Stebbins**

Title **Staff Office Assistant**

Signature

*Tiffany Stebbins*

Date

**05/19/2006**

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title

Date

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

RECEIVED

MAY 30 2006

DIV. OF OIL, GAS & MINING

Ratherford 13-21  
API 43-037-31128

10/10/05 Pump 15 bbls down csg, 3 bbls tbg, well dead. POOH w/ Overshot recovering no fish. RIH w/ .75 long extension, 3 1/16 grapple no-stop, bumper sub, latch up at 2399'. Tong broke down, CO tong, POOH recovered 2 jts, RIH tagged at 2433', latch up, POOH w/ overshot, recover no fish, RIH w/ 3 21/32 grapple on 34 stds.

10/11/05 Pump 15 bbls down csg, 2 bbls tbg, well dead. POOH no recovery, RIH w/ collar, catch overshot, tagged up, latch up POH, still no recovery, LD overshot, PU RIH w/ spear, latch up pulled 15 k over, POOH w/ no recovery lost 3 grapple in the hole, RIH w/ upset catch grapple, tagged up / latch up, POOH recovered 2 jts, RIH tagged up 2496'.

10/12/05 Pump 13 bbls down csg, RIH, tried to latch back up to fish, POOH recover no fish, entry, CO grapple for collar, catch 3 21/32, RIH tagged fish, tool started to float down after tagging fish, assume there was fill. POOH no fish recovered, no signs of fill on overshot, WO light mud to cicr on top fish, CO grapple back to upset catch, RIH tagged up fish, pulled back up it started to over 45K, kept working it, POOH recovered 4 jts fish, found red bed solids inside overshot, redress grapple RIH w/ 78 stds.

10/13/05 Well dead, PU 2 jts and tagged at 2475', 25' fill overnight, last fish was at 2500'. PU power swivel to cicr w/ 14 # KWF, 130 bbls, lost cicr 60 bbls, had problem with foaming not circ well. CO down to 2525', LD power swivel, POOH LD 3 jts.

10/14/05 PU 2 jts tagged fill at 2475'. PU swivel tried to cicr, still having foam pump problem. Pump 60 bbls, cicr down to 2525', POOH LD overshot, PU bit RIH w/ 74 jts.

10/17/05 WO KWF, well had 120 #, pump 5 bbls down tbg, still flowing, pump 15 bbls still flowing, pump 5 bbls, well dead, PU tagged filled at 2475' again, tried to cicr pump 100 bbls lost cicr, out of fluid, POOH w/ 3 stds.

10/18/05 POOH LD bit, PU RIH w/ 6 .200 OD RBP to test csg, hang up at 1010', set at 1000', pull 30 K, packer started to slip up hole, didn't set POOH LD packer, WO mill to dress csg with. PU 6.125 mill RIH to 1000'.

10/19/05 PU swivel mill on from 1010' to 1012', hit tight spot, work through to 2159', 2176', 2184', 2199' to 2203, and fell free down to 2468'. POOH LD bit and mill, RIH w/ open ended to 2400'.

10/21/05 WO call back from SSE, decision made to RD MO to re-evaluate. RD swivel, bled well down, 120 # on well, pump 25 bbls down csg, 10 bbls down tbg, well dead. NDBOP, NUWH, RD hardlines, RD clean location, MO.

11/08/05 Rode Rig to location, WO junk basket. RU WSU.

11/09/05 500# on csg and tbg, pump 40 bbls 16 # KWF down csg, SICP 250 #.

11/10/05 Pump cicr 120 bbls, bull headed 20 bbls, well dead. NDWH, NUBOP, RU floor, tbg was stuck, had to work it free. PU packer, test BOP, tested good. POOH LD packer, POOH w/ 5 jts.

11/11/05 Pump 10 bbls 16 # down csg, 3 bbls tbg, well dead. POOH w/ KS. PU bit and scraper, RIH tagged at ~2203', POOH LD scraper, and RIH open w/ 2300'. Called SSE and BLM to see if we can get an approval to set CICR at 2200', original plan was to set CICR at 2450'.

11/14/05 WO BLM approval to set at 2200'; approved by Steve Mason. Bled well down, pump 15 bbls down csg, 3 bbls down tbg, well dead. POOH w/ KS, PU CICR, RIH tagged at 2173', set CICR at 2173'. POOH LD setting tool, MIRU WL, test BOP and lubricator, RIH w/ dump bailer w/ sand, tried to dump sand on CICR, POOH, did not dump, RIH again, still did not dump. RD WL. RIH w/ 40 jts KS.

11/15/05 Cicr 80 bbls fresh water, well started to flow back, SI, built up to 500#, continue to flow back 50 bbls, SICP 550#, recir 100bbls 16.5# KWF.

11/16/05 2003# on well, bled down to 200#, pump 30 bbls 16.5%# KWF, equalize well, bled well down, well dead. MIRU BJ Services, test lines, pump break cicr; pump 1 bbl 6 sxs type III, 1.37 yld, 14.7 #, pump 6 bbls 16.5#. Well started to flow back, well unbalanced, flow back cement, SICP 500#, SITP 550#. RU BJ Service, pump cicr 80 bbls.

11/17/05 250# on well, pump 40 bbls down csg, SICP 30#. WO more KWF, pump 15 bbls down csg, well dead. POOH W/ KS, MIRU WL, test BOP and lubricator, RIH and perf at 1651'. POOH RD MO WL. PU CICR, well started to flow, SICP 40#, WO KWF, pump 20 bbls 14.5#KWF. PU RIH w/ CICR set at 1603'.

11/18/05 TP 0#, CP 50 #, bled off. MIRU BJ Services, RU lines, test line to 2000#, test good. Called Steve Mason w/ BLM for an approval to spot 1200' of cmt on top of CICR with access cmt. Pump 8 bbls to est. rate, started getting pressure on csg 1000# at less than 0.25 bpm, csg pressure up to 650#. Sting out of CICR, pump 8 bbls ahead, 2 bbls cmt 14.6#, 1.37 yield, 12 sxs, sting back in, pump below CICR at 750# on tbg, 350# on csg. Sting out, pump 50 bbls, 248 sxs, 14.8#, 1.37 yield. RU BJ, POOH LD 40 jts. With the last 12 jts, well started to flow back, continue to LD 12 jts w/ setting tools. SI blind, pump 10 bbls 14.5# KWF to squeeze at 1000#, left well w/ 800#. Wash equipment, MO BJ Services.

Division of Oil, Gas and Mining  
**OPERATOR CHANGE WORKSHEET**

**ROUTING**

1. DJJ
2. CDW

**X Change of Operator (Well Sold)**

Operator Name Change/Merger

The operator of the well(s) listed below has changed, effective: **6/1/2006**

**FROM: (Old Operator):**  
 N1855-ExxonMobil Oil Corporation  
 PO Box 4358  
 Houston, TX 77210-4358  
 Phone: 1 (281) 654-1936

**TO: ( New Operator):**  
 N2700-Resolute Natural Resources Company  
 1675 Broadway, Suite 1950  
 Denver, CO 80202  
 Phone: 1 (303) 534-4600

**CA No.**

**Unit:**

**RATHERFORD**

**OPERATOR CHANGES DOCUMENTATION**

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 4/21/2006
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 4/24/2006
- The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 6/7/2006
- Is the new operator registered in the State of Utah: YES Business Number: 5733505-0143
- If **NO**, the operator was contacted on: \_\_\_\_\_
- (R649-9-2) Waste Management Plan has been received on: requested
- Inspections of LA PA state/fee well sites complete on: n/a
- Reports current for Production/Disposition & Sundries on: ok
- Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM n/a BIA not yet
- Federal and Indian Units:**  
 The BLM or BIA has approved the successor of unit operator for wells listed on: not yet
- Federal and Indian Communization Agreements ("CA"):**  
 The BLM or BIA has approved the operator for all wells listed within a CA on: n/a
- Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: 6/12/2006

**DATA ENTRY:**

- Changes entered in the **Oil and Gas Database** on: 6/22/2006
- Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 6/22/2006
- Bond information entered in RBDMS on: n/a
- Fee/State wells attached to bond in RBDMS on: n/a
- Injection Projects to new operator in RBDMS on: 6/22/2006
- Receipt of Acceptance of Drilling Procedures for APD/New on: n/a

**BOND VERIFICATION:**

- Federal well(s) covered by Bond Number: n/a
- Indian well(s) covered by Bond Number: PA002769
- (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number n/a
- The **FORMER** operator has requested a release of liability from their bond on: n/a  
 The Division sent response by letter on: n/a

**LEASE INTEREST OWNER NOTIFICATION:**

- (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: n/a

**COMMENTS:**

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5. LEASE DESIGNATION AND SERIAL NUMBER:

See attached list

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

Navajo Tribe

7. UNIT or CA AGREEMENT NAME:

Ratherford Unit

8. WELL NAME and NUMBER:

See attached list

9. API NUMBER:

Attached

10. FIELD AND POOL, OR WILDCAT:

Greater Aneth

1. TYPE OF WELL

OIL WELL ☐

GAS WELL ☐

OTHER Unit Agreement

2. NAME OF OPERATOR:

Resolute Natural Resources Company

N2700

3. ADDRESS OF OPERATOR:

1675 Broadway, Suite 1950

CITY

Denver

STATE

CO

ZIP

80202

PHONE NUMBER:

(303) 534-4600

4. LOCATION OF WELL

FOOTAGES AT SURFACE: See attached list

COUNTY: San Juan

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:

STATE:

UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☐ NOTICE OF INTENT  
(Submit in Duplicate)

Approximate date work will start:

☒ SUBSEQUENT REPORT  
(Submit Original Form Only)

Date of work completion:

TYPE OF ACTION

☐ ACIDIZE

☐ ALTER CASING

☐ CASING REPAIR

☐ CHANGE TO PREVIOUS PLANS

☐ CHANGE TUBING

☐ CHANGE WELL NAME

☐ CHANGE WELL STATUS

☐ COMMINGLE PRODUCING FORMATIONS

☐ CONVERT WELL TYPE

☐ DEEPEN

☐ FRACTURE TREAT

☐ NEW CONSTRUCTION

☒ OPERATOR CHANGE

☐ PLUG AND ABANDON

☐ PLUG BACK

☐ PRODUCTION (START/RESUME)

☐ RECLAMATION OF WELL SITE

☐ RECOMPLETE - DIFFERENT FORMATION

☐ REPERFORATE CURRENT FORMATION

☐ SIDETRACK TO REPAIR WELL

☐ TEMPORARILY ABANDON

☐ TUBING REPAIR

☐ VENT OR FLARE

☐ WATER DISPOSAL

☐ WATER SHUT-OFF

☐ OTHER: \_\_\_\_\_

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Effective June 1, 2006 Exxon Mobil Oil Corporation resigns as operator of the Ratherford Unit. Also effective June 1, 2006 Resolute Natural Resources Company is designated as successor operator of the Ratherford Unit.

A list of affected producing and water source wells is attached. A separate of affected injection wells is being submitted with UIC Form 5, Transfer of Authority to Inject.

As of the effective date, bond coverage for the affected wells will transfer to BIA Bond # PA002769.

NAME (PLEASE PRINT)

Dwight E Mallory

TITLE

Regulatory Coordinator

SIGNATURE

DATE

4/20/2006

(This space for State use only)

APPROVED

6127106

Earlene Russell

Division of Oil, Gas and Mining  
Earlene Russell, Engineering Technician

RECEIVED

APR 24 2006

DIV. OF OIL, GAS & MINING



STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: Ship Rock
2. NAME OF OPERATOR: ExxonMobil Oil Corporation <i>N1855</i>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: Ship Rock
3. ADDRESS OF OPERATOR: P.O. Box 4358 CITY Houston STATE TX ZIP 77210-4358		7. UNIT or CA AGREEMENT NAME: UTU68931A
4. LOCATION OF WELL FOOTAGES AT SURFACE: _____ QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: _____		8. WELL NAME and NUMBER: Ratherford
PHONE NUMBER: (281) 654-1936		9. API NUMBER: attached
COUNTY: San Juan		10. FIELD AND POOL, OR WILDCAT: Aneth
STATE: UTAH		

**CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: <u>6/1/2006</u>	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input checked="" type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

ExxonMobil Oil Corporation is transferring operatorship of Greater Aneth field, Ratherford lease to Resolute Natural Resources Company. All change of operator notices should be made effective as of 7:00 AM MST on June 1, 2006.

Attached please find a listing of producers and water source wells included in the transfer.

NAME (PLEASE PRINT) <u>Laurie Kilbride</u>	TITLE <u>Permitting Supervisor</u>
SIGNATURE <i>Laurie B. Kilbride</i>	DATE <u>4/19/2006</u>

(This space for State use only)

**APPROVED** 6/27/06  
*Earlene Russell*  
Division of Oil, Gas and Mining  
Earlene Russell, Engineering Technician

(See Instructions on Reverse Side)

**RECEIVED**  
**APR 21 2006**

DIV. OF OIL, GAS & MINING

# Ratherford Unit - Producer Well List

minus P&A's

Lease	Number	API #	Status	Lease #	Location					
					Sec	T	R	QTR/QTR	NSFoot	EWFoot
Ratherford	01-14	430373116200S1	Producing	1420603246A	1	41S	23E	SWSW	0660FSL	0660FWL
Ratherford	01-34	430371638501S1	SI	1420603246A	1	41S	23E	SWSE	1133FSL	1980FEL
Ratherford	11-41	430373154400S1	Producing	1420603246A	11	41S	23E	NENE	0860FNL	0350FEL
Ratherford	11-43	430373162201S1	Producing	1420603246A	11	41S	23E	NESE	1980FSL	0660FEL
Ratherford	12-12	430373119000S1	Producing	1420603246A	12	41S	23E	SWNW	1850FNL	0660FWL
Ratherford	12-14	430371584400S1	SI	1420603246A	12	41S	23E	SWSW	0660FSL	4622FEL
Ratherford	12-21	430373120100S1	Producing	1420603246A	12	41S	23E	NENW	0660FNL	1980FWL
Ratherford	12-23	430371584601S1	Producing	1420603246A	12	41S	23E	NESW	1958FSL	3300FEL
Ratherford	12-32	430373120300S1	Producing	1420603246A	12	41S	23E	SWNE	1820FNL	1820FEL
Ratherford	12-34	430373112600S1	Producing	1420603246A	12	41S	23E	SWSE	0675FSL	1905FEL
Ratherford	12-43	430373120200S1	SI	1420603246A	12	41S	23E	NESE	2100FSL	0660FEL
Ratherford	13-12	430373112701S1	Producing	1420603247A	13	41S	23E	SWNW	1705FNL	0640FWL
Ratherford	13-14	430373158900S1	Producing	1420603247A	13	41S	23E	SWSW	0660FSL	0660FWL
Ratherford	13-21	430373112801S1	SI	1420603247A	13	41S	23E	NENW	0660FNL	1920FWL
Ratherford	13-23	430373112900S1	Producing	1420603247A	13	41S	23E	NESW	1980FSL	1930FWL
Ratherford	13-34	430373113001S1	Producing	1420603247A	13	41S	23E	SWSE	0660FSL	1980FEL
Ratherford	13-41	430371585601S1	Producing	1420603247A	13	41S	23E	NENE	660FNL	660FEL
Ratherford	13-43	430373113100S1	Producing	1420603247A	13	41S	23E	NESE	1700FSL	0960FEL
Ratherford	14-32	430371585801S1	Producing	1420603247A	14	41S	23E	SWNE	2130FNL	1830FEL
Ratherford	14-41	430373162300S1	Producing	1420603247A	14	41S	23E	NENE	0521FNL	0810FEL
Ratherford	24-32	430373159300S1	Producing	1420603247A	24	41S	23E	SWNE	2121FNL	1846FEL
Ratherford	24-41	430373113200S1	Producing	1420603247A	24	41S	23E	NENE	0660FNL	0710FEL
Ratherford	17-11	430373116900S1	Producing	1420603353	17	41S	24E	NWNW	1075FNL	0800FWL
Ratherford	17-13	430373113301S1	Producing	1420603353	17	41S	24E	NWSW	2100FSL	0660FWL
Ratherford	17-22	430373117001S1	Producing	1420603353	17	41S	24E	SENW	1882FNL	1910FWL
Ratherford	17-24	430373104400S1	Producing	1420603353	17	41S	24E	SESW	0720FSL	1980FWL
Ratherford	17-31	430373117800S1	Producing	1420603353	17	41S	24E	NWNE	0500FNL	1980FEL
Ratherford	17-33	430373113400S1	Producing	1420603353	17	41S	24E	NWSE	1980FSL	1845FEL
Ratherford	17-42	430373117700S1	Producing	1420603353	17	41S	24E	SENE	1980FNL	0660FEL
Ratherford	17-44	430371573201S1	Producing	1420603353	17	41S	24E	SESE	0660FSL	0660FEL
Ratherford	18-11	430371573300S1	SI	1420603353	18	41S	24E	NWNW	0720FNL	0730FWL
Ratherford	18-13	430371573401S1	Producing	1420603353	18	41S	24E	NWSW	1980FSL	0500FWL
Ratherford	18-22	430373123600S1	Producing	1420603353	18	41S	24E	SENW	2200FNL	2210FWL
Ratherford	18-24	430373107900S1	Producing	1420603353	18	41S	24E	SESW	0760FSL	1980FWL
Ratherford	18-31	430373118101S1	Producing	1420603353	18	41S	24E	NWNE	0795FNL	2090FEL
Ratherford	18-33	430373113501S1	Producing	1420603353	18	41S	24E	NWSE	1870FSL	1980FEL
Ratherford	18-42	430373118200S1	Producing	1420603353	18	41S	24E	SENE	2120FNL	0745FEL
Ratherford	18-44	430373104500S1	SI	1420603353	18	41S	24E	SESE	0660FSL	0660FEL
Ratherford	19-11	430373108000S1	Producing	1420603353	19	41S	24E	NWNW	0660FNL	0660FWL
Ratherford	19-13	430373171900S1	Producing	1420603353	19	41S	24E	NWSW	1980FSL	0660FWL
Ratherford	19-22	430373104601S1	Producing	1420603353	19	41S	24E	SENW	1840FNL	1980FWL
Ratherford	19-24	430373175401S1	Producing	1420603353	19	41S	24E	SESW	0600FSL	1980FWL
Ratherford	19-31	430373104701S1	Producing	1420603353	19	41S	24E	NWNE	510FNL	1980FEL
Ratherford	19-33	430373104800S1	Producing	1420603353	19	41S	24E	NWSE	1980FSL	1980FEL
Ratherford	19-42	430373091600S1	Producing	1420603353	19	41S	24E	SENE	1880FNL	0660FEL
Ratherford	19-44	430373108100S1	Producing	1420603353	19	41S	24E	SESE	0660FSL	0660FEL
Ratherford	19-97	430373159600S1	Producing	1420603353	19	41S	24E	SENE	2562FNL	0030FEL
Ratherford	20-11	430373104900S1	Producing	1420603353	20	41S	24E	NWNW	0500FNL	0660FWL
Ratherford	20-13	430373091700S1	Producing	1420603353	20	41S	24E	NWSW	2140FSL	0500FWL
Ratherford	20-22	430373093000S1	Producing	1420603353	20	41S	24E	SENW	2020FNL	2090FWL
Ratherford	20-24	430373091800S1	Producing	1420603353	20	41S	24E	SESW	0820FSL	1820FWL

# Ratherford Unit - Producer Well List

minus P&A's

Lease	Number	API #	Status	Lease #	Location					
					Sec	T	R	QTR/QTR	NSFoot	EWFoot
Ratherford	20-31	430373105001S1	Producing	1420603353	20	41S	24E	NWNE	0660FNL	1880FEL
Ratherford	20-33	430373093100S1	Producing	1420603353	20	41S	24E	NWSE	1910FSL	2140FEL
Ratherford	20-42	430373105100S1	Producing	1420603353	20	41S	24E	SENE	1980FNL	0660FEL
Ratherford	20-44	430373091501S1	Producing	1420603353	20	41S	24E	SESE	0620FSL	0760FEL
Ratherford	20-66	430373159201S1	Producing	1420603353	20	41S	24E	SWNW	1369FNL	1221FWL
Ratherford	20-68	430373159100S1	Producing	1420603353	20	41S	24E	NWSW	1615FSL	1276FWL
Ratherford	15-12	430371571501S1	Producing	1420603355	15	41S	24E	SWNW	1820FNL	0500FWL
Ratherford	15-22	430373044900S1	SI	1420603355	15	41S	24E	SENE	1980FNL	2050FWL
Ratherford	15-32	430371571700S1	Producing	1420603355	15	41S	24E	SWNE	1980FNL	1980FEL
Ratherford	15-33	430371571800S1	Producing	1420603355	15	41S	24E	NWSE	1650FSL	1980FEL
Ratherford	15-41	430371571900S1	TA	1420603355	15	41S	24E	NENE	0660FNL	0660FEL
Ratherford	15-42	430373044800S1	Producing	1420603355	15	41S	24E	SENE	2020FNL	0820FEL
Ratherford	16-13	430373116801S1	Producing	1420603355	16	41S	24E	NWSW	1980FSL	660FWL
Ratherford	16-32	430371572300S1	Producing	1420603355	16	41S	24E	SWNE	1980FNL	1980FEL
Ratherford	16-41	430371572500S1	Producing	1420603355	16	41S	24E	NENE	0660FNL	0660FEL
Ratherford	16-77	430373176800S1	Producing	1420603355	16	41S	24E	NESW	2587FSL	2410FWL
Ratherford	21-23	430371375400S1	Producing	1420603355	21	41S	24E	NESW	1740FSL	1740FWL
Ratherford	21-24	430373172001S1	SI	1420603355	21	41S	24E	SESW	487FSL	2064FWL
Ratherford	21-32	430371575500S1	SI	1420603355	21	41S	24E	SWNE	1880FNL	1980FEL
Ratherford	21-77	430373175801S1	SI	1420603355	21	41S	24E	NWSE	2511FSL	2446FEL
Ratherford	07-11	430373116300S1	Producing	1420603368	7	41S	24E	NWNW	0660FNL	0710FWL
Ratherford	07-13	430373116400S1	Producing	1420603368	7	41S	24E	NWSW	2110FSL	0740FWL
Ratherford	07-22	430373116500S1	Producing	1420603368	7	41S	24E	SENE	1980FNL	1980FWL
Ratherford	07-24	430373116600S1	Producing	1420603368	7	41S	24E	SESW	0880FSL	2414FWL
Ratherford	07-44	430373118900S1	SI	1420603368	7	41S	24E	SESE	0737FSL	0555FEL
Ratherford	08-12	430371599100S1	Producing	1420603368	8	41S	24E	SWNW	1909FNL	0520FWL
Ratherford	08-21	430371599300S1	Producing	1420603368	8	41S	24E	NENW	0616FNL	1911FWL
Ratherford	08-23	430371599400S1	Producing	1420603368	8	41S	24E	NESW	1920FSL	2055FWL
Ratherford	08-32	430371599500S1	Producing	1420603368	8	41S	24E	SWNE	1980FNL	1980FEL
Ratherford	08-34	430371599600S1	Producing	1420603368	8	41S	24E	SWSE	0660FSL	1980FEL
Ratherford	04-34	430371616400S1	Producing	14206034035	4	41S	24E	SWSE	0660FSL	1980FEL
Ratherford	11-14	430371616700S1	Producing	14206034037	11	41S	24E	SWSW	0660FSL	0660FWL
Ratherford	09-34	430371571100S1	SI	14206034043	9	41S	24E	SWSE	0660FSL	1980FEL
Ratherford	10-12	430371571200S1	Producing	14206034043	10	41S	24E	SWNW	1980FNL	0660FWL
Ratherford	10-14	430371571300S1	Producing	14206034043	10	41S	24E	SWSW	0510FSL	0710FWL
Ratherford	10-32	430371571400S1	TA	14206034043	10	41S	24E	SWNE	2080FNL	1910FEL
Ratherford	10-44	430373045100S1	TA	14206034043	10	41S	24E	SESE	0820FSL	0510FEL
Ratherford	29-11	430373105300S1	Producing	1420603407	29	41S	24E	NWNW	0770FNL	0585FWL
Ratherford	29-22	430373108200S1	Producing	1420603407	29	41S	24E	SENE	2130FNL	1370FWL
Ratherford	29-31	430373091401S1	Producing	1420603407	29	41S	24E	NWNE	0700FNL	2140FEL
Ratherford	29-33	430373093200S1	SI	1420603407	29	41S	24E	NWSE	1860FSL	1820FEL
Ratherford	29-34	430371534000S1	SI	1420603407	29	41S	24E	SWSE	0817FSL	2096FEL
Ratherford	29-42	430373093700S1	SI	1420603407	29	41S	24E	SENE	1850FNL	0660FEL
Ratherford	30-32	430371534200S1	Producing	1420603407	30	41S	24E	SWNE	1975FNL	2010FEL
Ratherford	28-11	430373044600S1	Producing	1420603409	28	41S	24E	NWNW	0520FNL	0620FWL

# Ratherford Unit - Producer Well List

minus P&A's

Lease	Number	API #	Status	Lease #	Location					
					Sec	T	R	QTR/QTR	NSFoot	EWFoot
Ratherford	09-12	430371512600S1	Producing	14206035045	9	41S	24E	SWNW	1865FNL	0780FWL
Ratherford	09-14	430371512700S1	Producing	14206035046	9	41S	24E	SWSW	0695FSL	0695FWL
Ratherford	04-14	430371616300S1	Producing	14206035446	4	41S	24E	SWSW	0500FSL	0660FWL
Ratherford	03-12	430371562000S1	Producing	14206036506	3	41S	24E	SWNW	2140FNL	0660FWL

## Water Source Wells (Feb 2006)

RU	S1	4303700001	Active
RU	S2	4303700002	Active
RU	S3	4303700003	Active
RU	S4	4303700004	Active
RU	S5	4303700005	Active
RU	S6	4303700006	Active
RU	S7	4303700007	Active
RU	S8	4303700008	Active
RU	S9	4303700009	Active
RU	S10	4303700010	Active
RU	S11	4303700011	Active
RU	S12	4303700012	Active
RU	S13	4303700013	Active
RU	S14	4303700014	Active
RU	S16	4303700016	Active
RU	S17	4303700017	Active

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> 14-20-603-247A
<b>1. TYPE OF WELL</b> Oil Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b> NAVAJO
<b>2. NAME OF OPERATOR:</b> RESOLUTE NATURAL RESOURCES		<b>7. UNIT or CA AGREEMENT NAME:</b> RATHERFORD
<b>3. ADDRESS OF OPERATOR:</b> 1675 Boradway Ste 1950 , Denver, CO, 80202		<b>8. WELL NAME and NUMBER:</b> RATHERFORD UNIT 13-21
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0660 FNL 1920 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NENW Section: 13 Township: 41.0S Range: 23.0E Meridian: S		<b>9. API NUMBER:</b> 43037311280000
<b>9. FIELD and POOL or WILDCAT:</b> GREATER ANETH		<b>COUNTY:</b> SAN JUAN
<b>STATE:</b> UTAH		

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE  <input type="checkbox"/> CHANGE TO PREVIOUS PLANS  <input type="checkbox"/> CHANGE WELL STATUS  <input type="checkbox"/> DEEPEN  <input type="checkbox"/> OPERATOR CHANGE  <input type="checkbox"/> PRODUCTION START OR RESUME  <input type="checkbox"/> REPERFORATE CURRENT FORMATION  <input type="checkbox"/> TUBING REPAIR  <input type="checkbox"/> WATER SHUTOFF  <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING  <input type="checkbox"/> CHANGE TUBING  <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS  <input type="checkbox"/> FRACTURE TREAT  <input checked="" type="checkbox"/> PLUG AND ABANDON  <input type="checkbox"/> RECLAMATION OF WELL SITE  <input type="checkbox"/> SIDETRACK TO REPAIR WELL  <input type="checkbox"/> VENT OR FLARE  <input type="checkbox"/> SI TA STATUS EXTENSION  <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR  <input type="checkbox"/> CHANGE WELL NAME  <input type="checkbox"/> CONVERT WELL TYPE  <input type="checkbox"/> NEW CONSTRUCTION  <input type="checkbox"/> PLUG BACK  <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION  <input type="checkbox"/> TEMPORARY ABANDON  <input type="checkbox"/> WATER DISPOSAL  <input type="checkbox"/> APD EXTENSION	OTHER: <input style="width: 100px;" type="text"/>
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <b>6/3/2011</b>				
<input type="checkbox"/> SPUD REPORT Date of Spud:				
<input type="checkbox"/> DRILLING REPORT Report Date:				

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Final Abandonment, Ratherford Unit 13-21 Resolute has completed Plug and Abandonment of Ratherford Unit 13-21. An attempt was made to clean the wellbore to 1950' as planned. Tubing parted while tripping out of the hole. Tagged the fish at 1406'. Cleaned out to 1457'. Squeezed 14 bbls of cement. Cleaned out to 1732'. Landed tubing at 1699'. Cemented the tubing in place with 102 bbls of cement. Circulated cement to the surface. Cut wellhead off. Confirmed cement to surface inside tubing, inside the 7" production casing, and inside the 9 5/8" surface casing. Set a dry hole marker. Cleaned the location.

Plugging was completed June 3, 2011.

**Accepted by the  
Utah Division of  
Oil, Gas and Mining**

**FOR RECORD ONLY**

March 30, 2012

<b>NAME (PLEASE PRINT)</b> Sherry Glass	<b>PHONE NUMBER</b> 303 573-4886	<b>TITLE</b> Sr Regulatory Technician
<b>SIGNATURE</b> N/A	<b>DATE</b> 3/30/2012	

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTFORM APPROVED  
OMB NO. 1004-0135  
Expires: July 31, 2010**SUNDRY NOTICES AND REPORTS ON WELLS**  
***Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.***5. Lease Serial No.  
1420603247A6. If Indian, Allottee or Tribe Name  
SHIPROCK7. If Unit or CA/Agreement, Name and/or No.  
79600419208. Well Name and No.  
RATHERFORD UNIT 13-219. API Well No.  
43-037-31128-01-S110. Field and Pool, or Exploratory  
ANETH11. County or Parish, and State  
SAN JUAN COUNTY, UT***SUBMIT IN TRIPLICATE - Other instructions on reverse side.***

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

RESOLUTE ANETH, LLC

Contact: SHERA GANTENBEIN

E-Mail: sgantenbein@resoluteenergy.com

3a. Address

1675 BROADWAY SUITE 1950  
DENVER, CO 80202

3b. Phone No. (include area code)

Ph: 303-534-4600 Ext: 1260  
Fx: 303-623-3628

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Sec 13 T41S R23E NENW 0660FNL 1920FWL

**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION				
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off	
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity	
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other	
	<input type="checkbox"/> Change Plans	<input checked="" type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon		
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal		

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Resolute would like to RE-submit an Notice of Intent WITH THE WELLBORE DIAGRAM attachement on the subject well:

Final Abandonment, Ratherford Unit 13-21

Resolute has completed Plug and Abandonment of Ratherford Unit 13-21.

An attempt was made to clean the wellbore to 1950? as planned. Tubing parted while tripping out of the hole. Tagged the fish at 1406?. Cleaned out to 1457?. Squeezed 14 bbls of cement. Cleaned out to 1732?. Landed tubing at 1699?. Cemented the tubing in place with 102 bbls of cement. Circulated cement to the surface. Cut wellhead off. Confirmed cement to surface inside tubing, inside the 7? production casing, and inside the 9 5/8? surface casing. Set a dry hole marker. Cleaned the location. Plugging was completed June 3, 2011.

14. I hereby certify that the foregoing is true and correct.

**Electronic Submission #124208 verified by the BLM Well Information System  
For RESOLUTE ANETH, LLC, sent to the Farmington  
Committed to AFMSS for processing by STEVE MASON on 12/06/2011 (11SXM1056SE)**

Name (Printed/Typed) WILLIAM ALBERT

Title PRODUCTION ENGINEER

Signature (Electronic Submission)

Date 11/28/2011

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved By

**ACCEPTED**STEPHEN MASON  
Title PETROLEUM ENGINEER

Date 12/06/2011

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office Farmington

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**\*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\*****RECEIVED:** Mar. 30, 2012

Sundry Number: 24286 API Well Number: 43037311280000

**Additional data for EC transaction #124208 that would not fit on the form**

**32. Additional remarks, continued**

(Please see attached documentation)



**Revisions to Operator-Submitted EC Data for Sundry Notice #124208**

	<b>Operator Submitted</b>	<b>BLM Revised (AFMSS)</b>
Sundry Type:	ABD NOI	ABD SR
Lease:	1420603247A	1420603247A
Agreement:	UTU68931A	7960041920 (UTU68931A)
Operator:	RESOLUTE ANETH, LLC 1675 BROADWAY SUITE 1950 DENVER, CO 80202 Ph: 303-534-4600	RESOLUTE ANETH, LLC 1675 BROADWAY SUITE 1950 DENVER, CO 80202 Ph: 303.534.4600
Admin Contact:	SHERA GANTENBEIN REGULATORY ANALYST E-Mail: sgantenbein@resoluteenergy.com  Ph: 303-534-4600 Ext: 1260 Fx: 303-623-3628	SHERA GANTENBEIN REGULATORY ANALYST E-Mail: sgantenbein@resoluteenergy.com  Ph: 303-534-4600 Ext: 1260 Fx: 303-623-3628
Tech Contact:	WILLIAM ALBERT PRODUCTION ENGINEER E-Mail: WALBERT@RESOLUTEENERGY.COM Cell: 970-371-9682 Ph: 970-564-5200 Ext: 2280 Fx: 970-564-5234	WILLIAM ALBERT PRODUCTION ENGINEER E-Mail: WALBERT@RESOLUTEENERGY.COM Cell: 970-371-9682 Ph: 970-564-5200 Ext: 2280 Fx: 970-564-5234
Location: State: County:	UT SAN JUAN	UT SAN JUAN
Field/Pool:	RATHERFORD	ANETH
Well/Facility:	RATHERFORD UNIT 13-21 RU 13-21 Sec 13 T41S R23E NENW 660FNL 1920FWL	RATHERFORD UNIT 13-21 Sec 13 T41S R23E NENW 0660FNL 1920FWL